



OCHAIN · R active spider user manual:
warranty, installation and maintenance.



Limited warranty and disclaimer

OCHAIN · R active spider is a patented component by Ochain srl.

Ochain srl guarantees its products against materials or manufacturing defects for a period of 2 years starting from the date of purchase by the first buyer, proven by the receipt or by the invoice in case of a direct purchase.

The defect has to be communicated by the first owner to the dealer in case of non-direct purchase or by mail/e-mail to info@ochain.bike in case of direct purchase. In case of return, just after our authorization, transport charges and risks are at customer cost.

Ochain srl recommends to follow the provided instructions for the correct usage and installation. In case instructions are not followed, warranty expires.

OCHAIN · R manuals can be found and downloaded online on website www.ochain.bike. Warranty do not cover missed, wrong or bad ordinary or extraordinary maintenance, damages caused by wrong assembly or with non-compatible components assembly, impacts, falls or accidents, normal consumption, alteration or modification of the original product and damages caused by transport.

If Ochain srl, after checking the product, finds that the damage is due to one of the reasons mentioned above, the warranty request will not be accepted and the defective item is sent back to the plaintiff who supports the shipping fees.

Ochain srl is not responsible for damages or injuries caused by improper installation or wrong usage of the product.

To the extent allowed by local law, except for the obligations specifically set forth in this warranty statement, in no event shall Ochain srl or its third party suppliers be liable for direct, indirect, special, incidental or consequential damages.



Safety warnings

THIS USER MANUAL CONTAINS IMPORTANT AND USEFUL INFORMATION REGARDING THE PROPER INSTALLATION, OPERATION, CARE AND MAINTENANCE OF YOUR OCHAIN PRODUCT. CAREFULLY READ, FOLLOW AND UNDERSTAND THE INSTRUCTIONS AS DETAILED IN THIS USER'S MANUAL. KEEP THIS MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE.

If you have any doubt whatsoever regarding your ability to install or service this product, please consult OCHAIN · R user manual, OCHAIN website and seek the assistance of a professional bicycle mechanic. Do not perform any modifications or adjustments that are not outlined in this manual.

Incorrect installation or servicing may impair performance, and could result in a

dangerous situation leading to serious injury or death.

Components that have experienced excessive wear, deformations or impacts or other damage need immediate professional inspection or replacement. Please have this product regularly inspected by a qualified mechanic for any signs of wear or damage.

Failure to perform necessary and essential maintenance could drastically reduce the service life of your OCHAIN · R product and reduce its performance.

If you have any questions, please contact a professional bike mechanic or ask Ochain for support at info@ochain.bike.



Ochain srl company informations

Ochain srl · Via Romagnosi 12 · 21100 Varese (VA) · ITALY

Please note all instructions are subject to change for improvement without notice.

Please visit www.ochain.bike for periodic tech updates.

For feedback and support write an email to info@ochain.bike



Maintenance

Inspect your OCHAIN · R product for wear, looseness or damage including cracks, dents and serious scratches before each ride and after every fall or crash.

Do not use your OCHAIN · R product until it has been thoroughly inspected, repaired or replaced.

PERIODICALLY CHECK THE TIGHTENINGS. INCORRECT TIGHTENING MAY CAUSE MALFUNCTIONING OR BREAKAGE.

Elastomers play an important role in OCHAIN · R and they need to be replaced every 150 hours of use on your mtb in order to preserve the product and to keep high standards of performance.

OCHAIN · R comes with an extra replacement kit.

You will find our elastomers replacement kits on our online store or at the local bike shop where you bought this product.

For OCHAIN · R care and maintenance guidelines please visit our service page at www.ochain.bike/service or follow our Ochain Youtube channel.

NOTE: Warranty is guaranteed only if this service is provided.



OCHAIN · R active spider specifications

Main material:

Al Alloy 7075 T6

Surface treatments:

Black hard anodizing (MOD. NERO)

Custom precious hard coating (MOD. PREGIO)

Dimensions:

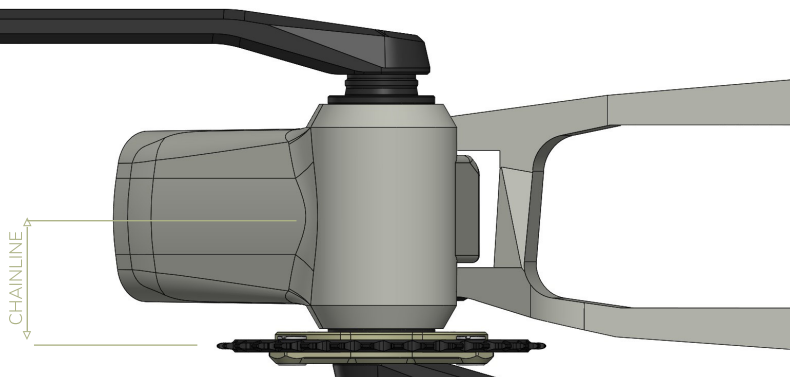
93 mm x 93 mm x 13 mm

Weight:

150 g

Chaining offset:

+3mm chaining offset (chainline* 52mm/55mm)



**Chainline is the distance between the centerline of your frame and the average centerline of your chainring.*

Compatibility:

OCHAIN · R is a 1X 104 BCD** Boost active spider

It replaces the stock chaining spider or direct mount chaining so that you match it with most popular cranks' brand direct mount standards. Updated model list on our website for directing the correct purchase.

Nethertheless, Ochain srl cannot guarantee compatibility with every single frame mounting these motors and with every single cranks on the market.



****Bolt Circle Diameter or BCD** is the imaginary circle that passes through the center of all the chainring mounting holes.



OCHAIN · R active spider installation

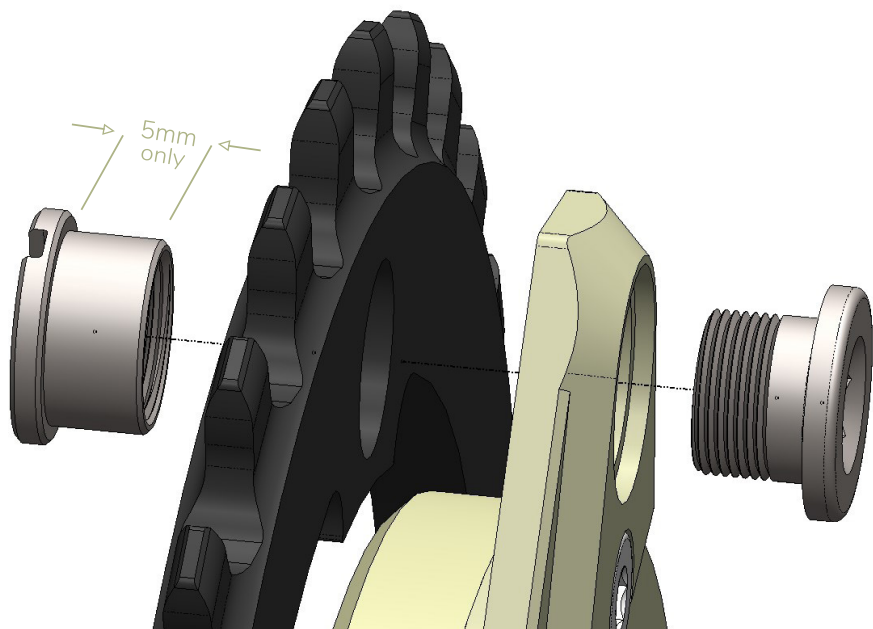
Disassemble your crankset from the frame, referring to the manufacturer's manual or to a professional bicycle mechanic.

Remove currently installed chainring configuration from the crank arm.

NOTE: If your bike already mounts a BCD 104 standard chainring bolted to the spider and you want to use it on OCHAIN · R, remove the chainring from the spider. For safety and performance reasons, make sure to check good conditions of chainring with the help of a professional bicycle mechanic.

Install your chainring on OCHAIN · R using 4 standard chainring nuts.

WARNING: OCHAIN · R fits only with 5 mm female length chainring nuts!



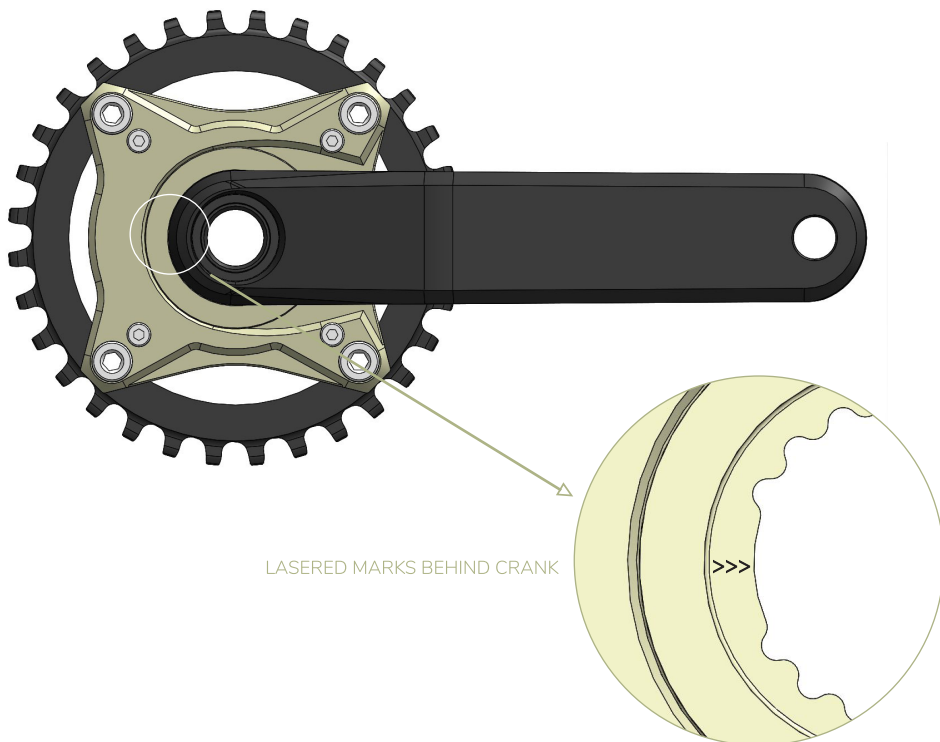
Use Loctite medium on bolts.

Tighten all four chainring bolts to chainring nuts with the recommended nut manufacturer's tightening.

Use some grease on the external of the chainring bolts and tighten with a wrench **FULLY ENGAGED** in the bolt.

NOTE: For a perfect result we recommend to use our OCHAIN · R chainring bolts and nuts (tightened to **8 Nm**).

Align OCHAIN · R with your crank arm as shown in the picture.
Lasered mark signs ">>>" on OCHAIN surface show the correct crank arm position.



Finally re-assemble your crankset referring to the manufacturer's manual or to a professional bicycle mechanic.



OCHAIN · R active spider different setups

Pedal kickback is measured in degrees to indicate how much the pedals rotate backwards at a given point in the suspension travel. OCHAIN · R allows the chainring to rotate backwards in order to disengage the transmission from the suspension, improving the whole riding experience and the bike's performances.

Our engineers defined four setup possibilities, resulting in different degrees of proportional rotation. The defined options are: 4° / 6° / 9° / 12°.

OCHAIN · R makes it easy to switch from one setup to another in seconds, using a 2,5 hex key.

An hex key is all you need to disengage the system by rotating backwards the black regulation nut. Same key, now on the central allen seat, and you access all possible setups. Lasered lines are there as a reference for you. Lock back the system and you are ready to ride.

OCHAIN · R is facing you, mounted on your bike.

Gently clean it dust and mud with a cloth.

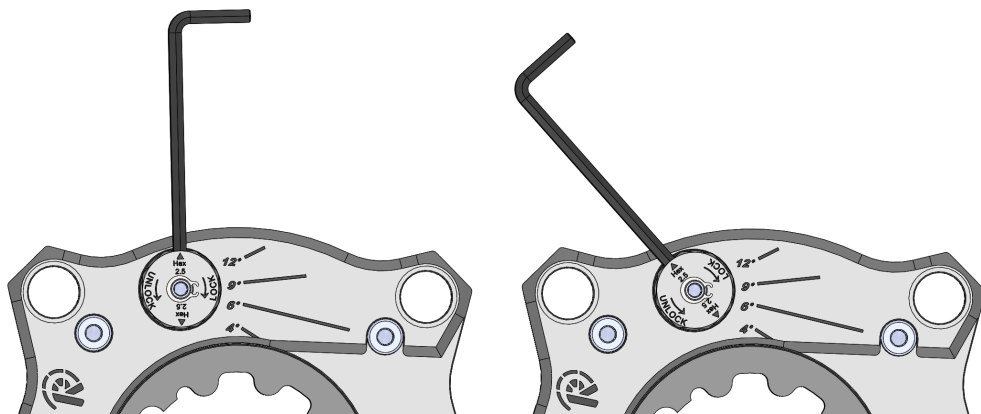
NOTE: Please do not use any chemical products to preserve our environment.

The Black Regulation Nut (BRN later in this manual) has two sockets for 2.5 hex key, lasered marks indicate them. Insert the 2.5 hex key in the available socket on the radial face of the BRN, as shown below.

To allow setup modifications, release the regulation system by slowly unscrewing counterclockwise, for as far as an half turn.

IMPORTANT:

Do not unscrew more then half turn to avoid damages to the system and the accidental removal of the Seeger ring.

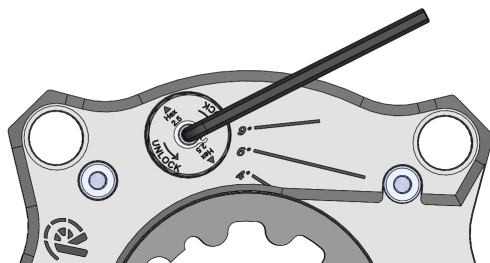


Now the regulation system is released. Remove the hex key and insert it in the socket of the regulation axis, on the central axis of the BRN.

IMPORTANT:

Never operate on the regulation axis without releasing the system first.

Unscrewing till the end point, the system will stop on the 12° position.



Slightly screw clockwise and the system reaches the 9°, the 6° and the last 4° position
The lasered graphic shows the order and the reference distance between regulations.



Once the desired position is selected, remove the hex key from the central axis and insert it back in the available radial socket on the BRN.

Slightly screw clockwise to secure the regulation system in the position.

The ideal torque is 3Nm.

