

# PAGE HUB USER MANUAL





# TABLE OF CONTENTS

1. SAFETY INSTRUCTIONS	3
2. INTRODUCTION	4
2.1 Light Bicycle Pace-Hub	4
3. TOOLS	7
4. FRONT HUB DISASSEMBLY & ASSEMBLY	7
4.1 Removing the Endcaps	7
4.2 Removing the Bearings	7
4.3 Cleaning Components	8
4.4 Installing the Bearings	8
4.5 Reinstalling the Endcaps	8
5. REAR HUB DISASSEMBLY & ASSEMBLY	8
5.1 Removing the Endcaps	8
5.2 Removing the Freehub and Internal Components	8
5.3 Removing the Bearings and Inner Axle	9
5.4 Cleaning Components	9
5.5 Installing the Bearings	9
5.6 Reinstalling the Axle and Freehub/Endcaps	9
6. SERVICE	10
7. WARRANTY	10
7.1 Warranty	10
7.2 Submit a Claim	10

## **CONGRATULATIONS ON THE PURCHASE OF YOUR NEW LIGHT BICYCLE PACE HUB!**

This user guide provides instructions on installing and using the hub. Rider stories on the hub are much welcomed, and we offer a \$50 reward for each story. Feel free to contact us ([sales@lightbicycle.com](mailto:sales@lightbicycle.com)) if you have any questions or would like to write a rider story.





## 1. SAFETY INSTRUCTIONS

If a component or replacement part is incorrectly assembled or adjusted, it can lead to component failure and cause the rider to lose control and crash. To ensure proper installation and a safe riding experience, please read and follow these instructions. If in doubt, please consult a professional bike mechanic, contact us at [sales@lightbicycle.com](mailto:sales@lightbicycle.com), or leave a comment on any product page of our website.

A. Wear approved eye protection while performing maintenance tasks such as replacing components.

B. When assembling the freewheel body unit, do not apply grease or oil outside of the designated areas. This may cause the freewheel body unit to malfunction.

C. Do not wash the freewheel body unit. The internal grease may flow out and cause the freewheel body unit to malfunction.

D. Check that the wheels are fastened securely before riding the bicycle. Using the axle release lever incorrectly may cause the wheel to fall off, etc., and lead to serious injury due to a fall or collision.

E. Before riding the bicycle, you should carefully check your hubs to make sure that there are no cracks in the axles, and if you find any unusual conditions, DO NOT use the bicycle. These hubs are not designed for downhill bicycle riding or freeriding. Depending on the riding conditions, the hub axle could develop cracks that may result in the failure of the axle, which can lead to an accident resulting in serious injury or even death.

F. Confirm that the axle release lever does not interfere with the disc brake rotor even when it is fully engaged. The axle release lever may interfere with the disc brake rotor if it is on the disc brake rotor side, which is unsafe. If the axle release lever interferes with the disc brake rotor, immediately stop. Make sure that the disc brake rotor has cooled down before operating the axle release lever. Doing otherwise may cause a burn.

G. Torque to tighten the thru axle: The 5nm is for the screw that holds the lever on the end of the axle. If tightened below 5 Nm, the hub bearings may not be properly seated and secured, leading to risks in riding. If tightened beyond 5 Nm, excessive bearing preload and reduced smoothness may occur. Thus, a 0.2mm spacer is recommended on the Non-Disc side hub end to avoid over-tightening.



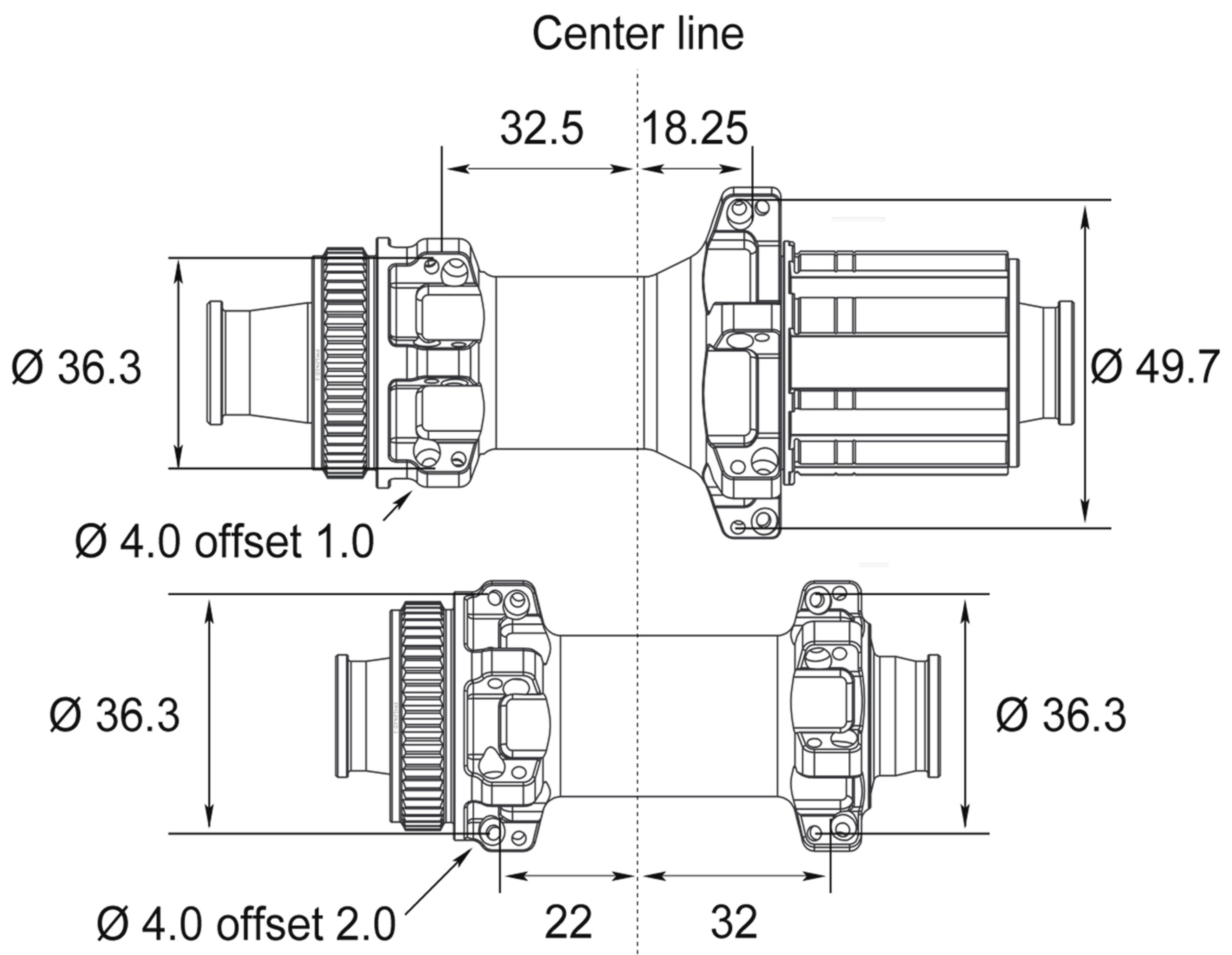
## 2.INTRODUCTION

### 2.1 Light Bicycle Pace-Hub

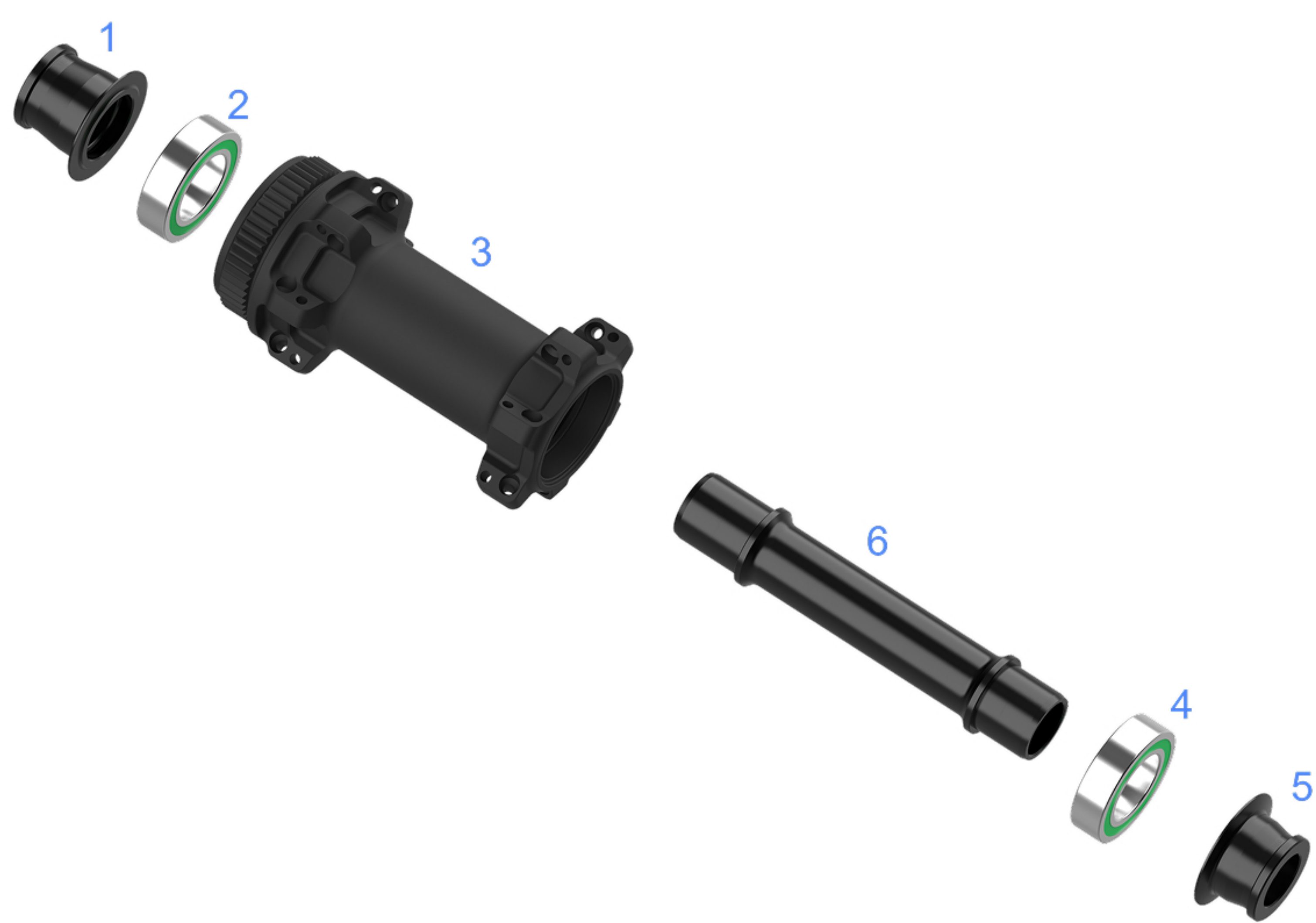
#### Highlights

- 36-Tooth Ratchet System (Upgradeable to 48T)
- A Hubset weighs only 295g
- 2 in 1 Integrated Wave Spring Ratchets
- High-Quality 7075 Aluminum on the Axle, Driver Body, and Endcaps
- Tool-Free Maintenance

#### Dimensions



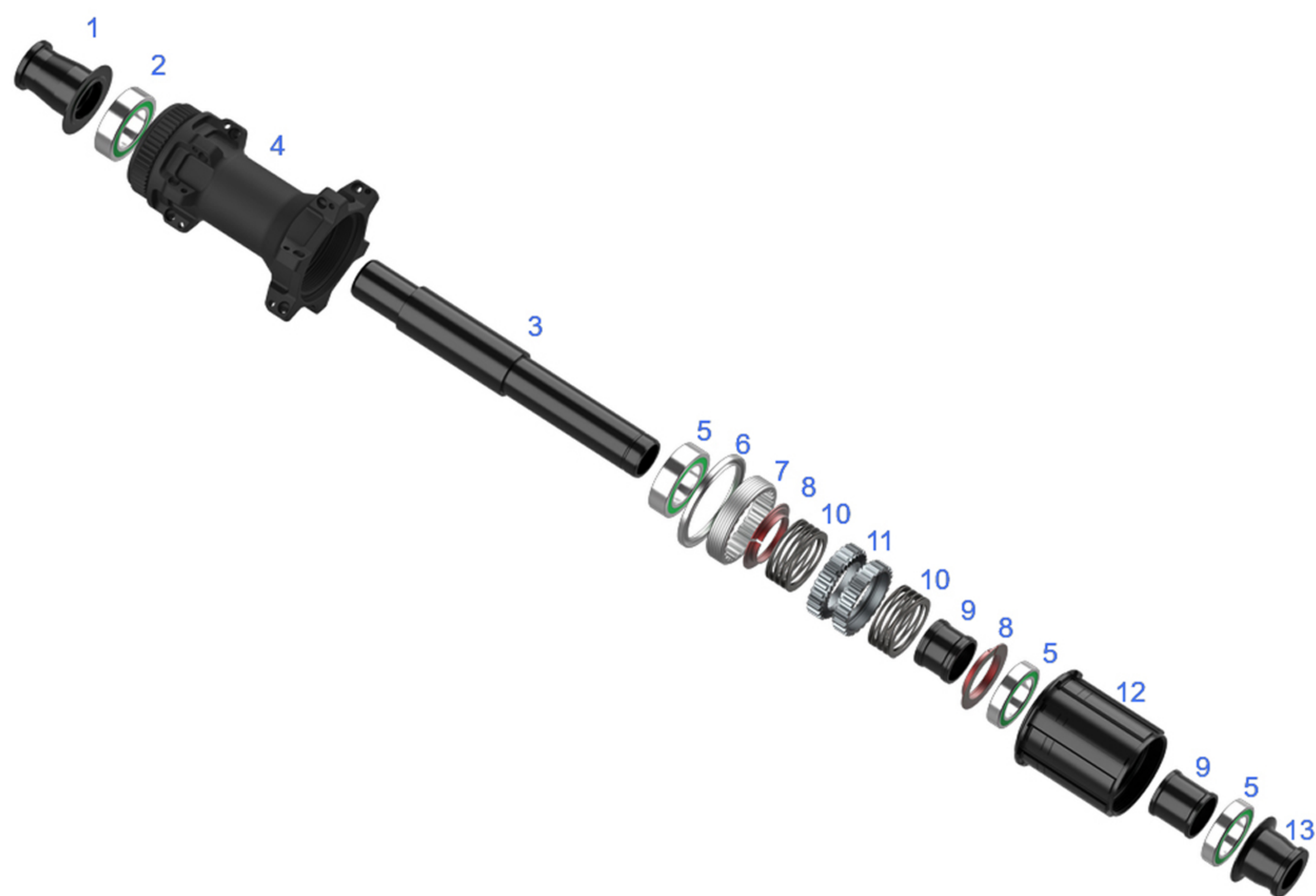
Exploded View of Front Hub



No	Parts	QTY
1	Endcap	1
2	Ball Bearing	1
3	Hub Shell	1
4	Ball Bearing	1
5	Endcap	1
6	Axle	1



Exploded View of Rear Hub



No	Parts	QTY
1	Endcap Non-Drive Side	1
2	Ball Bearing Non-Drive Side	1
3	Axle	1
4	Hub Shell	1
5	Ball Bearing Drive Side	3
6	Shim	1
7	Ring Nut	1
8	Red Circlips	2
9	Spacer	2
10	Spring	1
11	Ratchets	2 in 1 set
12	Freewheel Body	1
13	Endcap Drive Side	1

## Bearings Sizes

Position	Bearings Sizes
Front Hub	15267+6802
Rear Hub	15267+15267
Freehub	6802*2

## 3. TOOLS

No	Tools
1	Flat Jaw Pliers or a 12mm Bearing Puller
2	a 12mm Axle Bullet Tool
3	a Hammer
4	a 15mm Bearing Puller
5	Hub Grease (DT Swiss Universal Grease Recommended)
6	Lint-Free Cloth or Paper Towel

## 4. FRONT HUB DISASSEMBLY & ASSEMBLY

### 4.1 Removing the Endcaps

Step 1: Begin by removing both endcaps by hand. They may be difficult to remove due to the O-ring seal inside the endcap.

Step 2: If the end caps are difficult to remove, use flat jaw pliers or a 12mm bearing puller on the inner edge to gently pry them off. To avoid any damaging the endcaps.

### 4.2 Removing the Bearings

Step 1: Insert the 12mm axle bullet tool from the non-brake side of the hub.

Step 2: Use a hammer on the axle bullet tool to remove the inner axle and brake side bearing.

Step 3: Using a 15mm bearing puller, remove the bearing from the non-brake side of the hub shell.



## 4.3 Cleaning Components

Step 1: Thoroughly clean all hub components using a lint-free cloth or paper towel.

Step 2: Lay out all parts in the order they were removed to maintain the correct reassembly sequence.

## 4.4 Installing the Bearings

Step 1: Apply a thin layer of grease to the bearing seats inside the hub shell.

Step 2: Press in the new bearing (if replacement is required), ensuring the marked side faces outward.

Step 3: Use a bearing press to seat the bearing evenly.

Step 4: With one bearing installed into the hub shell, insert the inner axle.

Step 5: Place the second bearing over the inner axle and press it in using the correct bearing spacer.

Step 6: Lightly grease the outer surface of both bearings.

## 4.5 Reinstalling the Endcaps

Step 1: Reinstall both endcaps by hand, ensuring they are seated firmly and evenly.

Step 2: The endcaps should sit flush with the hubshell.

# 5. REAR HUB DISASSEMBLY & ASSEMBLY

## 5.1 Removing the Endcaps

Step 1: Begin by removing both end caps by hand. They may be difficult to remove due to the O-ring seal inside the endcap.

Step 2: If the end caps are difficult to remove, use flat jaw pliers or a 15mm bearing puller on the inner edge to gently pry them off. To avoid any damaging the endcaps.

## 5.2 Removing the Freehub and Internal Components

Step 1: With the endcaps removed, slide the freehub off the end of the axle.

Step 2: Remove the internal ratchet cluster from inside the hubshell.

Step 3: Carefully disassemble the ratchets, red circlips, spacer, springs, and sealing ring in sequence.

Step 4: Clean all disassembled parts using a clean, lint-free cloth or paper towel.

Step 5: Apply a thin layer of grease to the ratchets and reassemble in reverse order.



## 5.3 Removing the Bearings and Inner Axle

Step 1: Insert the axle bullet tool in the drive side of the inner axle.

Step 2: Use a hammer to remove the inner axle and non-drive side bearing

Step 3: Once the axle and non-drive side bearing have been removed, use a 15mm bearing puller to remove the drive-side hubshell bearing.

## 5.4 Cleaning Components

Step 1: Clean all disassembled parts using a clean, lint-free cloth or paper towel.

Step 2: Lay out all parts in the order they were removed to maintain the correct reassembly sequence.

## 5.5 Installing the Bearings

Step 1: Lightly grease the bearing seats inside the hub shell.

Step 2: Use a bearing press to install the drive-side bearing with the marked side facing outward.

Step 3: Insert the inner axle into the shell and drive-side bearing.

Step 4: Use the bearing press to install the non-drive side bearing on the opposite side, with the marked side facing outward.

Step 5: Apply a light coat of grease to the outer faces of both bearings.

## 5.6 Reinstalling the Axle and Freehub/Endcaps

Step 1: Remove the sealing ring, clean and lightly grease it, then re-insert it into the groove on both endcaps.

Step 2: Reinstall the non-drive side endcap back on the brake side of the axle.

Step 3: Install the ratchet cluster on the axle and seat it into the drive ring.

Step 4: Slide the freehub onto the axle from the drive side and press it firmly against the hub body.

Step 5: Reinstall the driveside endcap, ensuring both endcaps are firmly seated.

Step 6: Check the freehub for the drive function.



## 6. SERVICE

To maximize the longevity of your hub, regular maintenance is essential. For general riding, we recommend cleaning and servicing the hub once a year. If you frequently ride in demanding conditions or at high intensity, consider shortening the maintenance interval. Additionally, if the hub is exposed to water, it's advisable to clean and maintain it immediately after each ride to prevent corrosion and damage.

## 7. WARRANTY

### 7.1 Warranty

Light Bicycle warrants the pace hubs from defects in materials and workmanship for a period of 3 years from the date of purchase.

Our warranty does not cover a modified, misplaced, misused, melted, improperly installed, or blatantly abused product.

### 7.2 Submit a Claim

When submitting a warranty, contact us by email ([sales@lightbicycle.com](mailto:sales@lightbicycle.com)) and we will address your issues within 24 hours.

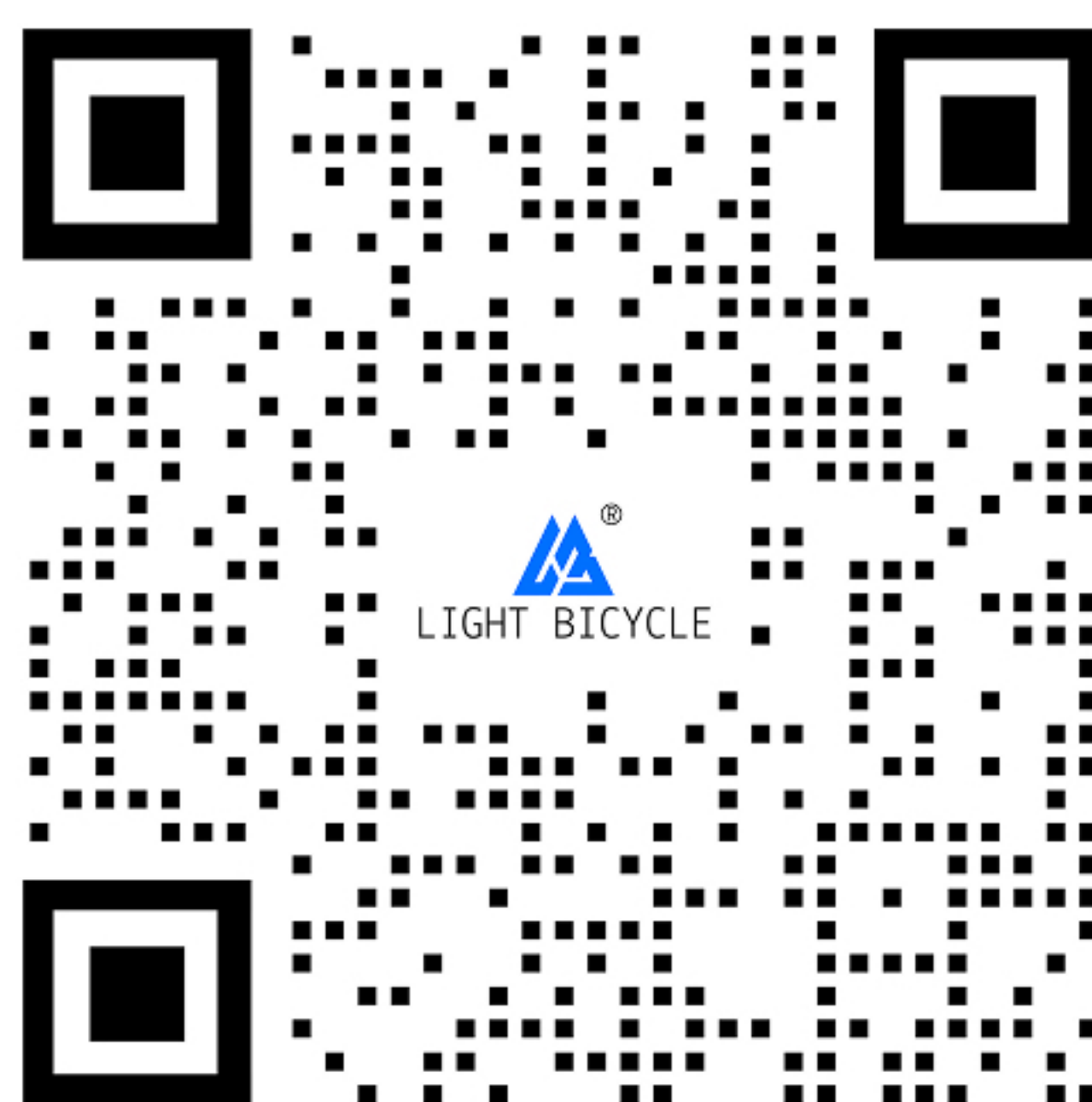
3 steps to easily file a claim and get you back riding ASAP:

Step 1: Locate the product serial number on the hub shell and take a photo of the label.

Step 2: Take a close shot of the affected product area or a video of abnormal noise or cracks.

Step 3: Email us with the serial number of your item, a description of the damage, proof of purchase, and the photos/videos.





[Scan the code to visit our website.](#)

## CONTACT US

Global Office

Email: [sales@lightbicycle.com](mailto:sales@lightbicycle.com)

Phone: +86-18030305013

+86-0592-6254228 Skype: light\_bicycle

North American Office

Phone: +1 (253) 216-2535 (Canada)

+1 (236) 309-1331 (USA)