



Track Hub Instructions

Designed for TRACK USE (VELODROME) ONLY

THE POWERTAP SYSTEM

The PowerTap system includes a power-measuring hub which measures torque and wheel speed. This information is transmitted to a handlebar or stem mounted computer. The data is then integrated to display current, average, and maximum biometric information.

PACKAGE CONTENTS

- 1x PowerTap Track hub
- 1x Lock ring
- 2x Axle bolts
- 1x User Guide

COMPATIBILITY

- The PowerTap Track hub is compatible with White Industries splined cogs only.
- The PowerTap Track hub uses a 120mm bolt-on axle. Only insert the PowerTap Track hub into a frame designed with 120mm rear dropouts. Do not force the hub into any frame. Doing so may cause failure of the frame, hub, or both, and will void the warranty. Contact your PowerTap customer service to address any special compatibility concerns.

WHEEL BUILDING

Contact a wheel building professional or dealer for assistance in building the PowerTap Track hub into a wheel. Due to the design of the hub, the load pattern is not the same as a conventional hub. Slotting the hub flanges to accommodate bladed spokes is not recommended and will void the warranty. Complete wheel building hub dimensions are listed below. To determine proper spoke length, please reference a spoke length calculator.

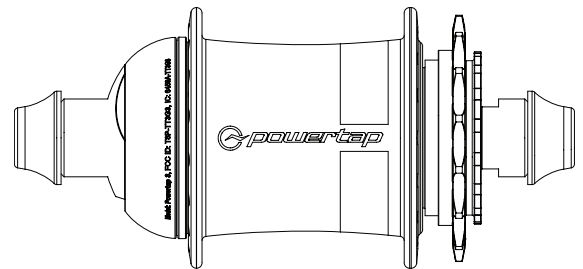
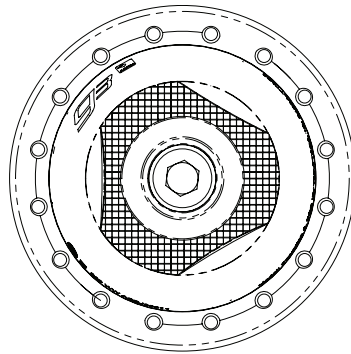
IMPORTANT:

For your safety, the non-drive side of the PowerTap hub must be built with at least a 2x lacing pattern. Because of the patented PowerTap design, torque is transferred through the hub to the non-drive side. Failure to adhere to this precaution will void the warranty.

	G3 and G3C	
Measurements	Non-drive	Drive
Hub center to flange:	38.0mm	17.4mm
Flange diameter:	57.0mm	57.0mm
Spoke hole diameter:	2.5mm	2.5mm

INSTALLING THE COG

- Slide the cog onto the splined adapter.
- Install the lock ring. The lock ring is LEFT HAND THREADED.
- Use a standard Shimano Dura Ace bottom bracket wrench to tighten the lock ring to 25-30 Nm (18.5-22.1 ft-lb) torque.



AUTO-ZERO

In order for the PowerTap Track hub to accurately measure power, the Auto Zero on the computer must be turned off. Manually zero the hub before each use for best accuracy.

ANT+

The PowerTap G3 uses ANT+ wireless technology that allows you to use the PowerTap with other ANT+ devices that are capable of displaying power. If you are using a device other than PowerTap Joule/Joule GPS to display power, please consult the user guide that came with the device. Note: While the PowerTap Track hub sends an ANT+ signal, it is recommended by Powertap Joule or Joule GPS for the purposes of using the manual zero function.

MAINTENANCE & SPECIFICATIONS

During the course of repair, DO NOT remove the torque tube. There are no user serviceable parts inside. Special tools are required for assembly and calibration. If problems are suspected contact PowerTap.

BEARINGS

The power measuring components inside the PowerTap hub are highly complex and should only be serviced by PowerTap. The bearings in the PowerTap hub do not require any adjustment. The bearings are sealed and do not require replacement. Field replacement can cause permanent damage to the power measuring electronics and result in compromised sealing and performance. If bearing problems are suspected please contact PowerTap technician.

HUB BATTERIES

Normal battery life for the hub batteries is 300 hours of actual ride time. Use CR 2032. Alkaline batteries have a shorter life and less performance.

BATTERY REPLACEMENT

Use the electronics cap removal tool to unscrew the nut on the non-drive side of the hub. Pull the electronics cap straight off the axle and replace the battery.

WARRANTY

The PowerTap hub is warranted to the original retail purchaser to be free from defects in materials and workmanship. Warranty coverage is valid to the original purchaser only and proof of purchase will be required. Electronics - 1 year

THIS WARRANTY DOES NOT COVER:

- Normal wear and tear.
- Any damage, failure or loss caused by accident, misuse, neglect, abuse, improper assembly, improper maintenance, or failure to follow instructions or warnings in Owner's Manual.
- Use of products in a manner or environment for which they were not designed. This product was designed for use in a velodrome only.

LIMITATIONS

The foregoing warranties are in lieu of and exclude all other warranties not expressly set forth herein, whether expressed or implied by operation of law or otherwise, including, but not limited to, warranties of merchantability or fitness for a particular purpose. PowerTap shall in no event be liable for incidental or consequential losses, damages or expenses in connection with its exercise products. PowerTap's liability hereunder is expressly limited to the replacement of goods not complying with this warranty or, at PowerTap election, to the repayment of an amount of the purchase price of the exercise product in question. Some states do not permit the exclusion or limitation of implied warranties or incidental or consequential damages, so the preceding limitations and exclusions may not apply to you.

PROCEDURES

Warranty service will be performed by PowerTap or an authorized PowerTap Dealer. The original purchaser must provide proof of purchase. Service calls and/or transportation to and from the Authorized PowerTap Dealer are the responsibility of the purchaser.

- PowerTap will have the option to repair or replace any product(s) which requires warranty service.
- PowerTap will replace any unit that is structurally defective with a new unit or replace the unit with a unit of equal value.
- In the event a product cannot be repaired, PowerTap will apply a limited credit reimbursement toward another PowerTap product of equal or greater value.

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MODIFICATIONS

PowerTap reserves the right to make improvements and/or updates to the products described herein at any time without notice.

FCC STATEMENT OF COMPLIANCE

Statement of Compliance for FCC and Industry Canada:

"This device complies with Industry Canada and Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation." The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met. Changes or modifications to this device not expressly approved by the party responsible for compliance with FCC regulations (the manufacturer) could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a normal installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

TECHNICAL SPECIFICATIONS	
Accuracy	1.50%
Signal Transmission	2.4 GHz
Operational Temperature	0-40 C/32-104 F degrees
Battery Life	300 hours
Battery Type	CR 2032

Sarıs Cycling Group, Inc.	
Model #:	PowerTap G3
Contains IC:	6459A-SL24TT1
FCC ID:	T8P-SL24TT1