

USER MANUAL

SILENT FREEWHEEL HUB

We congratulate you on the purchase of your new Kappstein Silent Freewheel Hub.

This document contains general information as well as safety instructions, assembly and warranty of the Kappstein SF Hub. The manual must be read and understood by the user before using the hub. Third-party users must also be informed about the following provisions. For more information please check FAQ's on our website or download other SF Hub documents.

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CONTACT

SERVICE/COMPLAINT PROCESSING

web: www.kappstein.de/service/contact

e-mail: service@kappstein.de

PURCHASE SPARE PARTS & TOOLS

web: www.kappstein.de/shop
e-mail: info@kappstein.de

1. GENERAL INFORMATION

SILENT AND DIRECT!

The SF Hub has a noiseless freewheel and simultaneously excels with close to zero backlash. This instant engagement means that the energy that the rider applies to the pedals is transferred directly to the rear wheel without any backlash. This is made possible due to a modified, innovative principle with regard to the conventional roller freewheel. An exceptional riding experience that will never cease to surprise every time.

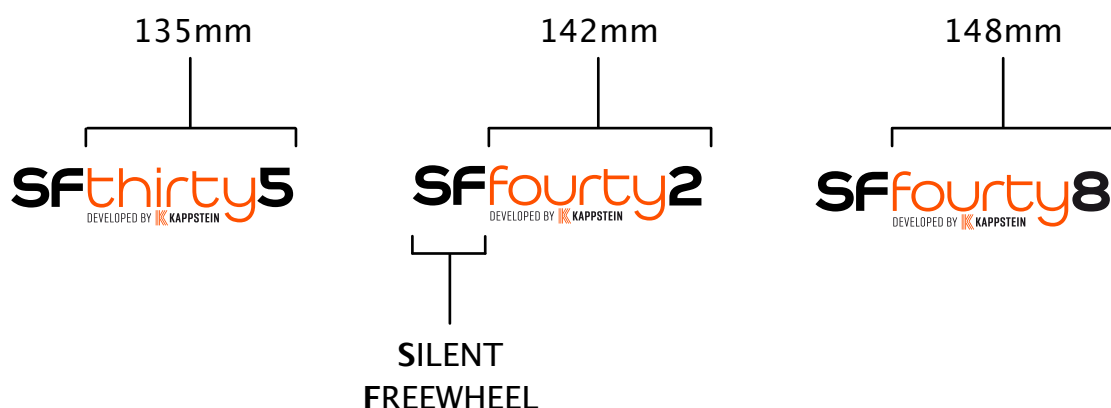
VERSATILE!

The Kappstein SF Hub is available in many versions. In terms of their names, we differentiate the versions primarily according to the installation widths 135mm, 142mm, 148mm (Boost). If your desired version is not listed in this manual, simply contact us. We would be happy to work with you to find a suitable solution.

APPLICATION AREAS

The hub feels at home in a lot of areas of use. Whether you are out on a relaxed cruise with your city bike or on gravel roads – the hub's special properties will impress you every time you use it. Please note that the maximum torque of 180Nm should not be exceeded. Due to its compatibility with all common gearshift systems, various frame mounts, and the 6-hole disc brake mount, there are hardly any limits to the available combinations.

THE PRODUCT LOGO



2. SAFETY INSTRUCTIONS

- 1 Incorrect handling, installation, maintenance or servicing can lead to accidents causing severe injuries.
- 2 Compliance with the following provisions is a prerequisite for accident-free use and faultless functioning.
- 3 Assembly and maintenance of the hub requires a basic knowledge of handling bicycle components. If in any doubt, please consult your retailer or our service team.
- 4
The hub should be used only in accordance with its intended purpose. Otherwise the user shall assume full responsibility.
- 5
The hub must be compatible with all parts of the bicycle.
- 6
The hub must not be changed or modified. Only use original Kappstein spare parts or spare parts that are recommended by Kappstein for service/
- 7 maintenance.

The hub must not be used if it is damaged or there are any signs of damage. If in any doubt, consult your retailer or the Kappstein service team.

3. WHEEL BUILDING

- 1 Danger of injury from incorrectly built wheels! Incorrectly built wheels can suddenly fail while being ridden. A crash with serious consequences can be a result.
- 2
Make sure your wheels are being built by a qualified mechanic.
- 3
Please refer to the technical information of the rim manufacturer.

4. ASSEMBLY

INSTALLATION OF THE BRAKE

DISC

- 1 Clean the brake disc mount, Center Lock adapter and brake disk.
- 2 Install the brake disc according to the manufacturer's instructions. The original screws from the brake disc manufacturer must be used.

MOUNTING THE CASSETTE

- 1 Clean the rotor surface. Aluminium rotors should not be greased. Steel rotors, on the other hand, must be.
- 2 Clean the cassette. There must be no dirt between the individual pinions in the cassette.
- 3 Assemble the cassette according to the manufacturer's specifications.
- 4 Tighten the lock ring or XD cassette to 40 Nm.

INSTALLATION OF THE AXLE

- 1 Please note: Axles are not included in the scope of delivery.
- 2 Make sure that all components fit together.
- 3 Depending on the design of the hub, the quick release/thru axle must be installed according to the manufacturer's specifications.

TIP! For further instructions, e.g. how to change the freewheel body, please download the document "service manual" at www.kappstein.de/downloads.

5. MAINTENANCE & CARE

For further information on maintenance/service please also download document "service manual".

1 FUNCTIONALITY

Check the functionality, especially the traction of the rear hub before and after each ride.

Check the hub for damage after each ride.

2

CLEANING

Only use suitable cleaning material (e.g. soft sponge). Do not use high pressure cleaners or aggressive cleaning agents as well as solvents or tensides!

3 SERVICE INTERVALS/ TORQUES

normal operating conditions	about once a year
extreme operation conditions (dust, rain, snow, etc.)	ca. every 6 month
check tightening torques	ca. each 20 operating hours
screws of the brake disc	ca. 6Nm
cassette lock ring	ca. 40Nm

The legal provisions concerning disposal apply. Essentially, waste of all kinds should be avoided or recycled. Any waste, carbon, cleaning products or liquids of any kind should be disposed of in an environmentally responsible manner.

6. WARRANTY

- 1 Starting from the date of purchase, there is a two-year legal warranty on material and manufacturing defects.
- 2 Kappstein GmbH & Co. KG shall reject any liability for indirect damage caused by accidents and for consequential damages.
- 3 Any contradictory or extended national rights of the purchaser are not affected by this warranty. Place of performance and jurisdiction is Jena/Germany. German law shall apply.
- 4
- 5 Submit any warranty claims to your retailer or to the Kappstein GmbH & Co. KG Service.

Any defects recognised by Kappstein GmbH & Co. KG as a warranty claim will be repaired or replaced by our in-house service team.

There is no warranty claim in case of...

- 1 use-related wear and tear of wearable parts,
- 2 improper use or care or negligence,
- 3 non-observance of instructions for use,
- 4 improper repair, assembly or maintenance work,
- 5 use of non-original spare parts and accessories,
- 6 use of non-compatible components,
- 7 modification of any components,
- 8 usage outside of the intended purpose (e.g. Pedelecs/E-Bikes),
- 9 damages due to accidents,
- 1 damages due to delivery and transport,
- 1 obliterated or removing the serial number,
- 1
- 2 rental, commercial use or in sports competitions

We hope you enjoy your Kappstein product!

GENERAL CONTACT

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