

## DT Swiss H350TDDRR28SA9100S

# DT Swiss 350 MTB Rear Hub Instruction Manual

Model: H350TDDRR28SA9100S

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your DT Swiss 350 Rear Hub. The DT Swiss 350 Rear Hub is engineered for durability and precision, featuring a proven Star-Ratchet system for reliable power transfer. It is designed for mountain, road, and gravel bikes, offering compatibility with 12x148mm Boost spacing, 6-bolt rotors, and XD driver bodies for 11-12 speed cassettes. Please read this manual thoroughly before installation and use.



Image 1: DT Swiss 350 Rear Hub. This image displays the black DT Swiss 350 Rear Hub, highlighting its 6-bolt disc brake rotor mounts on one side and the XD driver body with 'RATCHET' and 'XD' markings on the other. The hub shell features 'DT SWISS 350' branding.

## 2. SAFETY INFORMATION

---

Always prioritize safety when working with bicycle components. Improper installation or maintenance can lead to serious injury or product damage.

- If you are unsure about any installation or maintenance procedure, consult a qualified bicycle mechanic.
- Wear appropriate safety gear, including eye protection, during installation and maintenance.
- Ensure all bolts and fasteners are tightened to the manufacturer's specified torque values.
- Regularly inspect your bicycle components for wear, damage, or loose parts.

## 3. PACKAGE CONTENTS

---

Verify that all components are present in the package:

- DT Swiss 350 Rear Hub (Model H350TDDRR28SA9100S)

*Note: Additional components such as spokes, rims, or cassettes are sold separately.*

## 4. SETUP AND INSTALLATION

---

The DT Swiss 350 Rear Hub requires professional installation into a wheel and onto a bicycle frame. This section outlines key considerations.

### 4.1 Wheel Building

- The hub is designed for 28 spokes with a J-bend interface.
- Ensure correct spoke length and lacing pattern for optimal wheel strength and tension.
- Proper spoke tension is crucial for wheel durability and performance. Consult a wheel building guide or a professional wheel builder.

### 4.2 Cassette Installation

- The hub features an XD driver body, compatible with SRAM XD-style cassettes.
- Install the cassette according to the cassette manufacturer's instructions, ensuring proper torque.

### 4.3 Rotor Installation

- The hub is designed for 6-bolt disc brake rotors.
- Attach the disc brake rotor to the hub using six bolts, tightening them to the rotor manufacturer's specified torque in a star pattern.

### 4.4 Installation into Frame

- The hub is compatible with 12x148mm Boost thru-axle frames.
- Insert the wheel into the frame's dropouts, ensuring the thru-axle slides smoothly through the hub and frame.
- Tighten the thru-axle securely according to the frame manufacturer's specifications.

## 5. OPERATING INSTRUCTIONS

---

Once properly installed, the DT Swiss 350 Rear Hub operates as a standard bicycle hub. Its Star-Ratchet system provides quick and reliable engagement for efficient power transfer.

- Ensure your quick release or thru-axle is always properly tightened before riding.
- Listen for any unusual noises from the hub during operation, which may indicate a need for inspection.

## 6. MAINTENANCE

---

Regular maintenance ensures the longevity and optimal performance of your DT Swiss 350 Rear Hub.

### 6.1 Cleaning

- Clean the exterior of the hub with a mild soap and water solution. Avoid high-pressure washing directly at the seals.
- Keep the cassette and freehub body clean to prevent premature wear.

### 6.2 Inspection

- Periodically check for any play in the axle or bearings.
- Inspect the freehub body for signs of wear or damage.
- Check spoke tension regularly.

### 6.3 Freehub Service

The DT Swiss 350 hub features tool-free, press-fit end caps, allowing for easy access to the Star-Ratchet system for cleaning and lubrication. Refer to official DT Swiss service guides for detailed instructions on servicing the Star-Ratchet system. Use only DT Swiss specific grease for the Star-Ratchet mechanism.

## 7. TROUBLESHOOTING

---

This section addresses common issues you might encounter.

- **Excessive Play in Wheel:** Check thru-axle tightness. If play persists, inspect hub bearings and end caps for wear or improper seating.
- **Unusual Noise from Hub:** Could indicate dry or contaminated Star-Ratchet system, worn bearings, or loose spokes. Service the freehub or have bearings inspected.
- **Poor Freehub Engagement:** Often caused by insufficient lubrication or contamination of the Star-Ratchet mechanism. Service the freehub as per DT Swiss guidelines.

For persistent issues, consult a professional bicycle mechanic or contact DT Swiss support.

## 8. SPECIFICATIONS

---

Feature	Specification
Model Name	H350TDDRR28SA9100S
Axle System	12x148mm Thru-Axle (Boost)
Brake Interface	Disc 6-Bolt
Freehub Body	SRAM XD (11-12 speed compatible)
Spoke Holes	28

Spoke Interface	J-Bend
Engagement System	Star Ratchet (36 points of engagement)
Bearings	Sealed Cartridge Bearings
Color	Black
Material	Aluminum Alloy

## 9. WARRANTY AND SUPPORT

The DT Swiss 350 Rear Hub comes with a Limited Warranty. For specific warranty terms and conditions, please refer to the official DT Swiss website or contact their customer service directly.

For technical support, service inquiries, or to locate an authorized service center, please visit the official DT Swiss website or contact their customer support channels.

**DT Swiss Official Website:** [www.dtswiss.com](http://www.dtswiss.com)