

DT Swiss H350ADIXR28SA9960S

DT Swiss 350 MTB Front Hub Instruction Manual

Model: H350ADIXR28SA9960S

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your DT Swiss 350 MTB Front Hub. Designed for durability, precision, and versatility, this 15x100mm thru-axle front hub is engineered to deliver smooth rolling efficiency for various cycling disciplines, including mountain biking, gravel riding, and endurance road cycling.

The DT Swiss 350 Front Hub is constructed from lightweight aluminum alloy, offering an optimal balance of strength and weight. It features sealed cartridge bearings with contact-free seals for superior protection against dirt and water, ensuring consistent performance and low rolling resistance.



Image: The DT Swiss 350 MTB Front Hub, showcasing its black finish and 28-hole design. The hub features a central cylindrical body with "DT SWISS 350" branding, flanked by two disc brake compatible flanges with spoke holes.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your DT Swiss 350 Front Hub. If you are unsure about any steps, consult a professional bicycle mechanic.

Required Tools:

- Torque wrench
- Appropriate hex keys or wrenches for your thru-axle system
- Spoke wrench (for wheel building)
- Disc brake rotor tools (if installing a new rotor)

Installation Steps:

1. **Wheel Building:** The DT Swiss 350 Front Hub features a 28-hole J-bend spoke interface. Ensure spokes are correctly tensioned according to your rim manufacturer's specifications.
2. **Disc Brake Rotor Installation:** The hub is equipped with a 6-bolt disc brake interface. Attach your disc brake rotor to the hub using the appropriate bolts and torque them to the manufacturer's specified values. Ensure bolts are tightened in a cross-pattern.
3. **Fork Installation:** Insert the assembled wheel into your bicycle's front fork. The hub is designed for a

15x100mm thru-axle system.

4. **Thru-Axle Securing:** Insert the 15mm thru-axle through the fork and hub. Tighten the thru-axle to the fork manufacturer's recommended torque specifications. This ensures a secure and torsionally stiff wheel engagement.
5. **Brake Caliper Alignment:** After installation, align your front brake caliper to ensure proper disc brake function and prevent rubbing.

Note: The hub's design supports easy conversion across different standards. Refer to DT Swiss official documentation for specific conversion kit instructions if needed.

OPERATION

The DT Swiss 350 Front Hub is designed for reliable performance under various riding conditions. Once properly installed, no specific operational procedures are required beyond standard cycling practices.

- **Riding Conditions:** The hub is suitable for mountain biking, gravel riding, and endurance road cycling.
- **Braking:** The 6-bolt disc brake interface ensures powerful and reliable stopping power when paired with compatible disc brake systems.
- **Smooth Rolling:** Sealed cartridge bearings with contact-free seals provide consistent smooth rolling and low friction.

Always perform a pre-ride safety check, including checking wheel security, brake function, and tire pressure, before each ride.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DT Swiss 350 Front Hub. The hub's design minimizes maintenance needs.

Routine Checks:

- **Bearing Play:** Periodically check for any excessive play in the hub bearings. While the sealed bearings are designed for durability, extreme conditions or prolonged use may eventually require service.
- **Spoke Tension:** Ensure spokes remain properly tensioned to maintain wheel integrity.
- **Cleanliness:** Keep the hub and surrounding areas clean from dirt and debris. While contact-free seals offer protection, excessive build-up can still impact performance.

Bearing Service:

The DT Swiss 350 hub is designed for tool-free maintenance and conversion. This allows for easy access to the bearings for inspection or replacement without specialized tools. Refer to official DT Swiss service guides for detailed instructions on bearing removal and replacement.

Caution: Use only genuine DT Swiss replacement parts for any service to ensure compatibility and maintain performance.

TROUBLESHOOTING

This section addresses common issues you might encounter with your DT Swiss 350 Front Hub.

Problem	Possible Cause	Solution
Excessive Bearing Play	Worn bearings, loose end caps, or improperly tightened thru-axle.	• Ensure thru-axle is tightened to specification. • Check end caps for proper seating. • Inspect bearings for wear; replace if necessary (refer to maintenance section).
Squeaking or Grinding Noise	Contaminated or worn bearings, disc brake rub.	• Clean the hub area. • Inspect bearings for contamination or wear; service or replace. • Check disc brake caliper alignment.
Wheel Not Spinning Freely	Over-tightened thru-axle, brake rub, damaged bearings.	• Verify thru-axle torque. • Check brake caliper alignment. • Inspect bearings for damage.

If the issue persists after attempting these solutions, it is recommended to consult a certified DT Swiss service center or a professional bicycle mechanic.

SPECIFICATIONS

Model Name	H350ADIXR28SA9960S
Brand	DT Swiss
Bike Type	Mountain Bike, Gravel, Trail
Axle System	15x100mm Thru-Axle
Brake Interface	6-Bolt Disc
Spoke Holes	28H
Spoke Type	J-Bend
Material	Aluminum Alloy
Color	Black
Weight	Approximately 10.08 ounces (285 grams)
Bearings	Sealed Cartridge Bearings with Contact-Free Seals

WARRANTY INFORMATION

The DT Swiss 350 MTB Front Hub is covered by a **Limited Warranty**. This warranty typically covers defects in materials and workmanship under normal use. Specific terms and conditions, including duration and coverage details, may vary by region and purchase location.

For complete warranty details, please refer to the official DT Swiss website or contact your authorized DT Swiss dealer. Keep your proof of purchase for any warranty claims.

Note: Damage resulting from improper installation, misuse, neglect, accidents, or unauthorized modifications is generally not covered under warranty.

SUPPORT AND CONTACT

For further assistance, technical support, or inquiries regarding your DT Swiss 350 Front Hub, please utilize the following resources:

- **Official DT Swiss Website:** Visit the official DT Swiss website for comprehensive product information, technical documents, FAQs, and service center locations.
- **Authorized Dealers:** Contact your local authorized DT Swiss dealer or the retailer where you purchased the product for sales support and service.
- **Customer Service:** Refer to the DT Swiss website for direct customer service contact information, including email and phone support.

When contacting support, please have your product model (H350ADIXR28SA9960S) and proof of purchase readily available.