

## WilTec 50799-04

# WilTec Hydraulic Cylinder for Motorcycle Lift: User Manual

Model: 50799-04



## 1. INTRODUCTION

This manual provides essential information for the safe and effective use, installation, and maintenance of your WilTec Hydraulic Cylinder, Model 50799-04. This hydraulic cylinder is designed as a replacement part for compatible motorcycle lifts. Please read these instructions carefully before installation and operation to ensure proper function and to prevent damage or injury.

## 2. SAFETY INSTRUCTIONS

Always observe the following safety precautions:

- Ensure the motorcycle lift is on a stable, level surface before installation or operation.
- Do not exceed the maximum load capacity of the motorcycle lift or the hydraulic cylinder (680 kg).
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.
- Keep hands and feet clear of moving parts during operation.
- Never work under a load supported only by the hydraulic cylinder. Always use additional safety stands.
- Regularly inspect the cylinder for signs of wear, damage, or leaks. Do not use if damaged.
- Only use genuine WilTec replacement parts for repairs.

## 3. PRODUCT OVERVIEW

The WilTec Hydraulic Cylinder (Model 50799-04) is a robust component designed for reliable lifting operations in motorcycle lifts. It features a durable alloy steel construction and a black finish.



**Figure 1:** Front view of the WilTec Hydraulic Cylinder. This image shows the main body of the cylinder, the pumping mechanism, and the base plate.



**Figure 2:** Side view of the WilTec Hydraulic Cylinder. This perspective highlights the spring mechanism and the overall compact design.

## 4. SETUP AND INSTALLATION

This hydraulic cylinder is a replacement part. Installation should be performed by a qualified individual familiar with motorcycle lift mechanics.

1. **Preparation:** Ensure the motorcycle lift is fully lowered and disconnected from any power source. Secure the



lift to prevent accidental movement.

2. **Removal of Old Cylinder:** Carefully disconnect the old hydraulic cylinder from the lift frame. Be aware of any hydraulic fluid that may leak. Dispose of old fluid and parts responsibly.
3. **Mounting the New Cylinder:** Position the WilTec Hydraulic Cylinder (Model 50799-04) into the designated mounting points on the motorcycle lift. Ensure all bolts and fasteners are correctly aligned and securely tightened according to the lift manufacturer's specifications.
4. **Connecting Linkages:** Reattach any linkages or levers that connect to the cylinder's pumping mechanism.
5. **Initial Test:** Before placing a load on the lift, perform several full lift and lower cycles to ensure smooth operation and proper seating of the cylinder. Check for any leaks or unusual noises.



**Figure 3:** Angled view of the hydraulic cylinder, showing the base plate with mounting holes. This view is useful for understanding how the cylinder attaches to a lift mechanism.

## 5. OPERATING INSTRUCTIONS

Once installed, the hydraulic cylinder operates as part of your motorcycle lift system. Refer to your motorcycle lift's specific user manual for detailed operating procedures. Generally, the operation involves:

- **Lifting:** Actuate the foot pedal or lever on your motorcycle lift to pump hydraulic fluid, extending the cylinder and raising the lift platform.
- **Holding:** The cylinder is designed to hold the load at the desired height. Always engage safety locks on your motorcycle lift once the desired height is reached.
- **Lowering:** Release the pressure valve on your motorcycle lift to slowly retract the cylinder, lowering the lift platform. Control the descent speed carefully.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your hydraulic cylinder.

- **Inspection:** Periodically inspect the cylinder for any signs of leaks, corrosion, or physical damage. Check the integrity of all connections and mounting points.
- **Cleaning:** Keep the cylinder clean and free from dirt, dust, and debris. Use a clean cloth to wipe down the exterior.
- **Lubrication:** Apply a thin layer of appropriate hydraulic oil to the exposed piston rod to prevent rust and ensure smooth operation. Consult your motorcycle lift manual for specific lubrication requirements.
- **Hydraulic Fluid:** If the cylinder requires refilling or fluid replacement (typically part of the overall lift system maintenance), use only hydraulic fluid specified by the lift manufacturer.
- **Storage:** When not in use for extended periods, store the cylinder in a dry, clean environment, preferably in a fully retracted position.

## 7. TROUBLESHOOTING

If you encounter issues with your hydraulic cylinder, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Cylinder does not lift or lifts slowly.	Low hydraulic fluid level, air in the system, or internal seal damage.	Check hydraulic fluid level and refill if necessary. Bleed air from the system (refer to lift manual). If seals are damaged, professional repair or replacement is required.
Cylinder leaks hydraulic fluid.	Damaged seals or loose connections.	Inspect for visible leaks. Tighten connections. If seals are damaged, the cylinder requires professional repair or replacement.
Cylinder lowers unexpectedly.	Faulty release valve or internal bypass.	Ensure the release valve is fully closed. If the problem persists, the cylinder may require professional inspection and repair.

For issues not listed here or if solutions do not resolve the problem, contact WilTec customer support or a qualified service technician.

## 8. SPECIFICATIONS

Key technical specifications for the WilTec Hydraulic Cylinder, Model 50799-04:



Figure 4: WilTec Hydraulic Cylinder with key dimensions indicated. This image provides visual context for the measurements listed below.

- **Model:** 50799-04
- **Brand:** WilTec
- **Material:** Alloy Steel
- **Color:** Black
- **Item Weight:** 4.1 Kilograms
- **Maximum Load Capacity:** 680 Kilograms
- **Minimum Height:** 205 Millimeters
- **Package Dimensions:** 23.4 x 16 x 14.2 cm
- **Vehicle Service Type:** Motorcycle

## 9. WARRANTY AND SUPPORT

For warranty information regarding your WilTec Hydraulic Cylinder, please refer to the purchase documentation or contact your retailer. WilTec products are designed for durability and performance.



If you require technical assistance, spare parts, or have questions not covered in this manual, please contact WilTec customer support:





- **WilTec Website:** [www.wiltec.de](http://www.wiltec.de) (General support and product information)
- **Retailer Support:** Contact the seller from whom you purchased the product for specific warranty claims or immediate assistance.



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### Related Documents - 50799-04

	<p><a href="#">Wiltec 2000 kg Axle Traverse User Manual</a></p> <p>User manual for the Wiltec 2000 kg Axle Traverse (Model 63855), providing instructions on safe operation, assembly, and parts identification for vehicle lifting.</p>
	<p><a href="#">WilTec 64210 30-Ton Workshop Press Operating Instructions and Safety Guide</a></p> <p>Comprehensive operating instructions, safety warnings, maintenance tips, and troubleshooting guide for the WilTec 64210 30-ton hydraulic workshop press. Includes parts list and company contact information.</p>

	<p><a href="#">Manuale d'uso: Mini-incubatrice per 12 uova Wiltec 52016</a></p> <p>Scopri come utilizzare al meglio la tua mini-incubatrice Wiltec per 12 uova (modello 52016) con questo manuale d'uso completo. Include istruzioni dettagliate, consigli per l'incubazione e risoluzione problemi.</p>
	<p><a href="#">Manual de Usuario y Especificaciones Técnicas del Compresor de Aerógrafo WilTec AF189</a></p> <p>Este manual proporciona instrucciones detalladas para el uso seguro y eficiente del compresor de aerógrafo WilTec AF189 (Artículo 34205), incluyendo pautas de seguridad, especificaciones técnicas, manejo de la estación reductora, lista de piezas y normativas de conformidad.</p>
	<p><a href="#">Wiltec Parcel Box 64118 Operation Manual and Assembly Guide</a></p> <p>Comprehensive operation manual and assembly guide for the Wiltec Parcel Box model 64118. Includes parts overview, step-by-step assembly instructions, safety precautions, and contact information.</p>
	<p><a href="#">WilTec Egg Incubator Article 50034 Operating Manual</a></p> <p>Comprehensive operating manual for the WilTec Egg Incubator, Article 50034. Provides instructions on setup, operation, temperature and humidity control, hatching phases for various poultry and reptiles, and disposal guidelines.</p>