

WilTec 62570

Wiltec Manual Winch 3200 kg (Model 62570) Instruction Manual

1. PRODUCT OVERVIEW

The Wiltec Manual Winch, Model 62570, is a robust and reliable tool designed for pulling, tensioning, and lifting heavy loads up to 3200 kg. It operates independently of electricity, making it ideal for various applications including automotive, marine, camping, garden, and forestry tasks. Its construction is corrosion and weather-resistant, ensuring long-term durability and consistent performance.

This manual winch features a 20-meter long steel rope with a 16mm diameter, providing ample reach and flexibility. For safety, it is equipped with a shear pin to prevent overload and a load hook with a safety latch. The operating lever includes a rubberized grip for comfortable use.



2. SAFETY INSTRUCTIONS

Always prioritize safety when operating the Wiltec Manual Winch. Failure to follow these instructions can result in serious injury or property damage.

- **Read the Manual:** Before operation, thoroughly read and understand all instructions and warnings in this manual.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety gloves, eye protection, and sturdy footwear.
- **Load Capacity:** Never exceed the maximum load capacity of 3200 kg. The winch is equipped with a shear pin designed to break if overloaded, but this should not be relied upon as a primary safety measure.
- **Inspect Equipment:** Before each use, inspect the winch, steel rope, and load hook for any signs of wear, damage, or corrosion. Do not use if any components are compromised.
- **Secure Anchoring:** Ensure the winch and the load are securely anchored to stable points capable of withstanding the applied force.
- **Clear Area:** Keep bystanders and pets away from the operating area. Maintain a safe distance from the rope under tension.
- **Rope Handling:** Handle the steel rope with care. Avoid kinks, sharp bends, or crushing. Never allow the rope to slip through your hands when under tension.
- **Overload Protection:** The shear pin is a safety feature. If it breaks, replace it only with an original Wiltec shear pin of the correct specification. Do not use makeshift replacements.
- **Stable Footing:** Ensure you have stable footing and a clear path for movement during operation.
- **Avoid Sudden Movements:** Operate the winch smoothly and avoid sudden jerks or rapid movements that could destabilize the load or equipment.

3. SETUP AND PREPARATION

Proper setup is crucial for safe and effective operation.

1. **Unpack Components:** Carefully remove the winch, steel rope, and operating lever from their packaging.
2. **Inspect for Damage:** Check all components for any shipping damage or manufacturing defects. Contact Wiltec support if any issues are found.
3. **Attach Operating Lever:** Insert the operating lever into the designated socket on the winch body. Ensure it is securely seated.
4. **Prepare the Rope:** Uncoil the 20-meter steel rope. Ensure it is free of kinks or tangles. The rope comes with a pre-attached load hook with a safety latch.
5. **Anchor the Winch:** Securely attach the winch to a stable anchor point using appropriate rigging (e.g., a tree strap, heavy-duty chain, or another fixed structure). Ensure the anchor point can withstand the maximum pulling force.
6. **Connect to Load:** Attach the load hook to the item you intend to move. Ensure the safety latch on the hook is properly closed to prevent accidental disengagement.
7. **Route the Rope:** Ensure the rope is routed directly between the winch and the load, avoiding any obstacles or sharp edges that could damage the rope.



Image 3.1: The main unit of the Wiltec Manual Winch, showing the lever attachment point and rope entry.

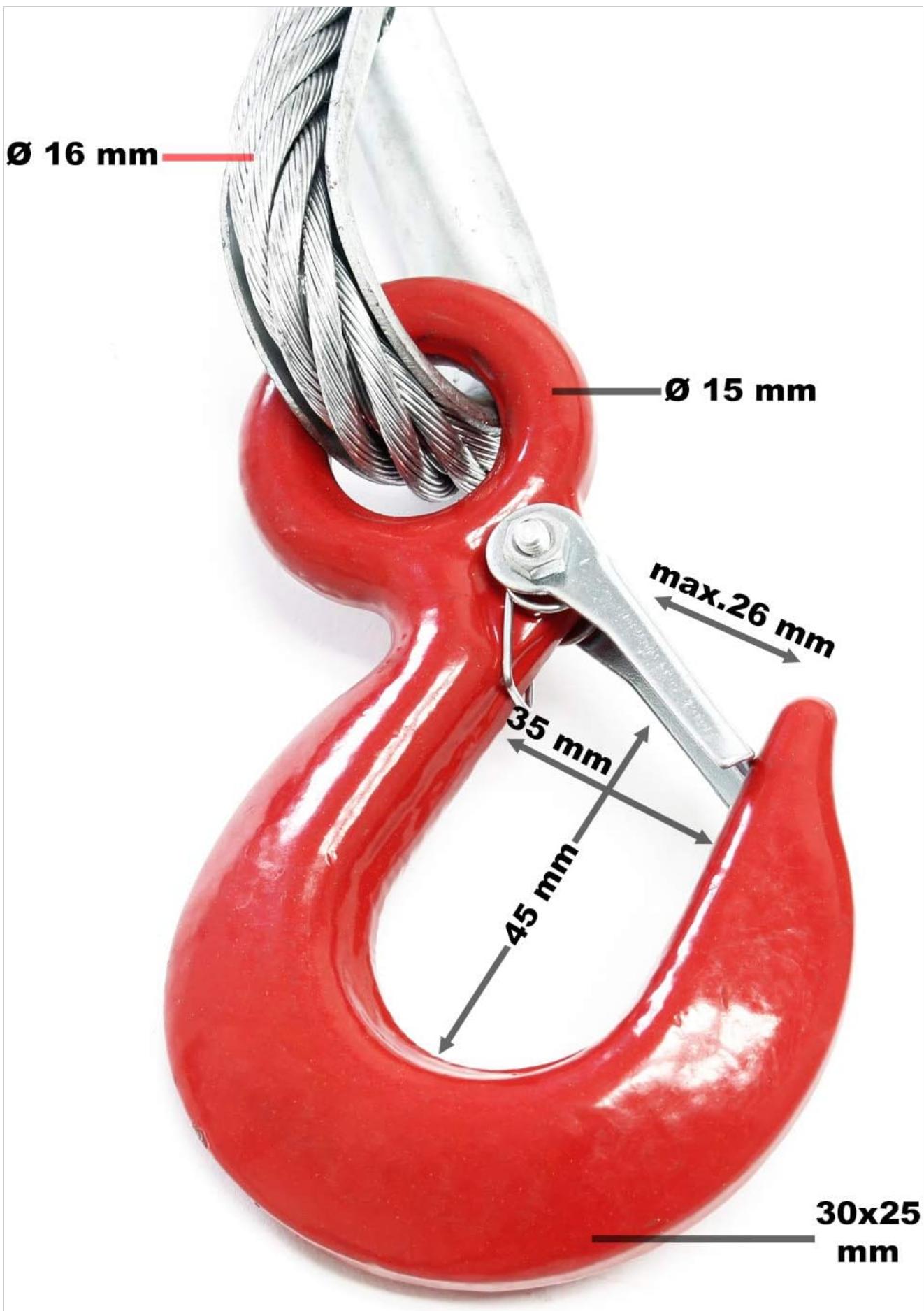


Image 3.2: Detailed view of the load hook, highlighting its dimensions and safety latch mechanism.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and efficient operation of your manual winch.

1. **Engage the Mechanism:** Ensure the rope is properly threaded through the winch mechanism. The winch typically has two levers: one for forward (pulling) and one for reverse (releasing).
2. **Pulling the Load:**
 - Operate the forward lever with smooth, consistent strokes.
 - Each stroke will pull a segment of the rope, moving the load.
 - Maintain a firm grip on the lever and ensure your body is in a stable position.
 - Observe the load and the rope for any signs of stress or obstruction.
3. **Releasing the Load:**
 - To release the load, operate the reverse lever. This will gradually release the tension on the rope.
 - Release the load slowly and in a controlled manner to prevent sudden movements or loss of control.
 - Never disengage the rope under full tension without proper control.
4. **Overload Protection (Shear Pin):** If the winch is subjected to excessive force beyond its rated capacity, the shear pin is designed to break. This prevents damage to the winch mechanism. If the shear pin breaks:
 - Immediately stop operation.
 - Reduce the load or reassess the pulling strategy.
 - Replace the broken shear pin with a genuine Wiltec replacement part. Do not use any other type of pin.
5. **Finishing Operation:** Once the task is complete, release all tension from the rope, disconnect the load hook, and unanchor the winch.



Image 4.1: The manual winch in use, illustrating the rope path and key operational features.

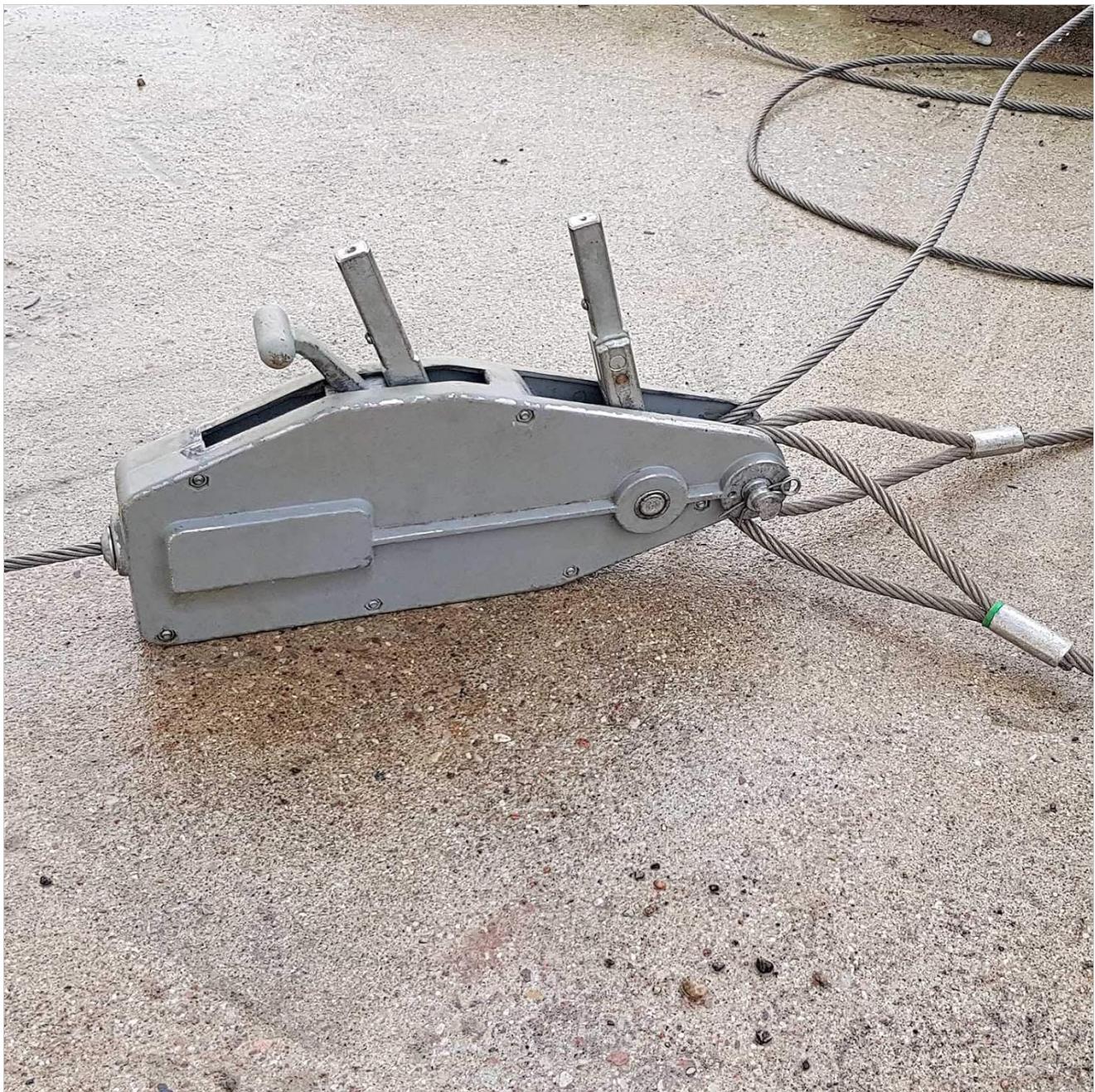


Image 4.2: Example of the Wiltec Manual Winch being used to pull a heavy object, demonstrating its application.

5. MAINTENANCE AND STORAGE

Regular maintenance ensures the longevity and safe operation of your Wiltec Manual Winch.

- **Cleaning:** After each use, clean the winch and rope to remove dirt, mud, and debris. Use a damp cloth for the winch body.
- **Lubrication:** Periodically lubricate moving parts of the winch mechanism according to manufacturer recommendations (if available, otherwise general purpose grease for gears).
- **Rope Inspection:** Regularly inspect the steel rope for fraying, broken strands, kinks, or corrosion. If the rope shows significant wear or damage, it must be replaced immediately.
- **Hook Inspection:** Check the load hook for deformation, cracks, or a malfunctioning safety latch. Replace if damaged.
- **Shear Pin Check:** Ensure you have spare shear pins on hand. Check the existing shear pin for any signs of stress or bending.

- Storage:** Store the winch and rope in a clean, dry place, away from direct sunlight and extreme temperatures. Coil the rope neatly to prevent tangles and kinks.
- Corrosion Protection:** Although the winch is corrosion-resistant, applying a light coat of rust-inhibiting oil to exposed metal parts before long-term storage can further extend its life.

6. TROUBLESHOOTING

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
Winch not pulling load / Lever moves freely without engaging.	Rope not properly threaded. Mechanism not engaged. Shear pin broken.	Ensure rope is correctly inserted and seated. Check that the appropriate lever (forward/reverse) is fully engaged. Inspect and replace the shear pin if broken.
Winch is difficult to operate / Requires excessive force.	Load exceeds capacity. Lack of lubrication. Rope or mechanism obstructed.	Reduce the load or use a winch with higher capacity. Lubricate moving parts of the winch. Inspect rope path and winch mechanism for obstructions.
Rope appears damaged (frayed, broken strands).	Wear and tear. Improper handling or routing.	Immediately cease operation. Replace the steel rope with a genuine Wiltec replacement. Review rope handling and routing practices.
Load hook not securing properly.	Safety latch damaged or obstructed. Hook deformed.	Clear any obstructions and ensure latch moves freely. If damaged or deformed, replace the load hook.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	62570
Manufacturer	WilTec
Maximum Load Capacity	3200 kg
Rope Length	20 meters
Rope Diameter	16 mm
Product Dimensions (L x W x H)	65.5 x 10 x 91 cm
Product Weight	43.62 kg

Feature	Specification
Color	Silver tones
Country of Origin	China
Overload Protection	Shear Pin

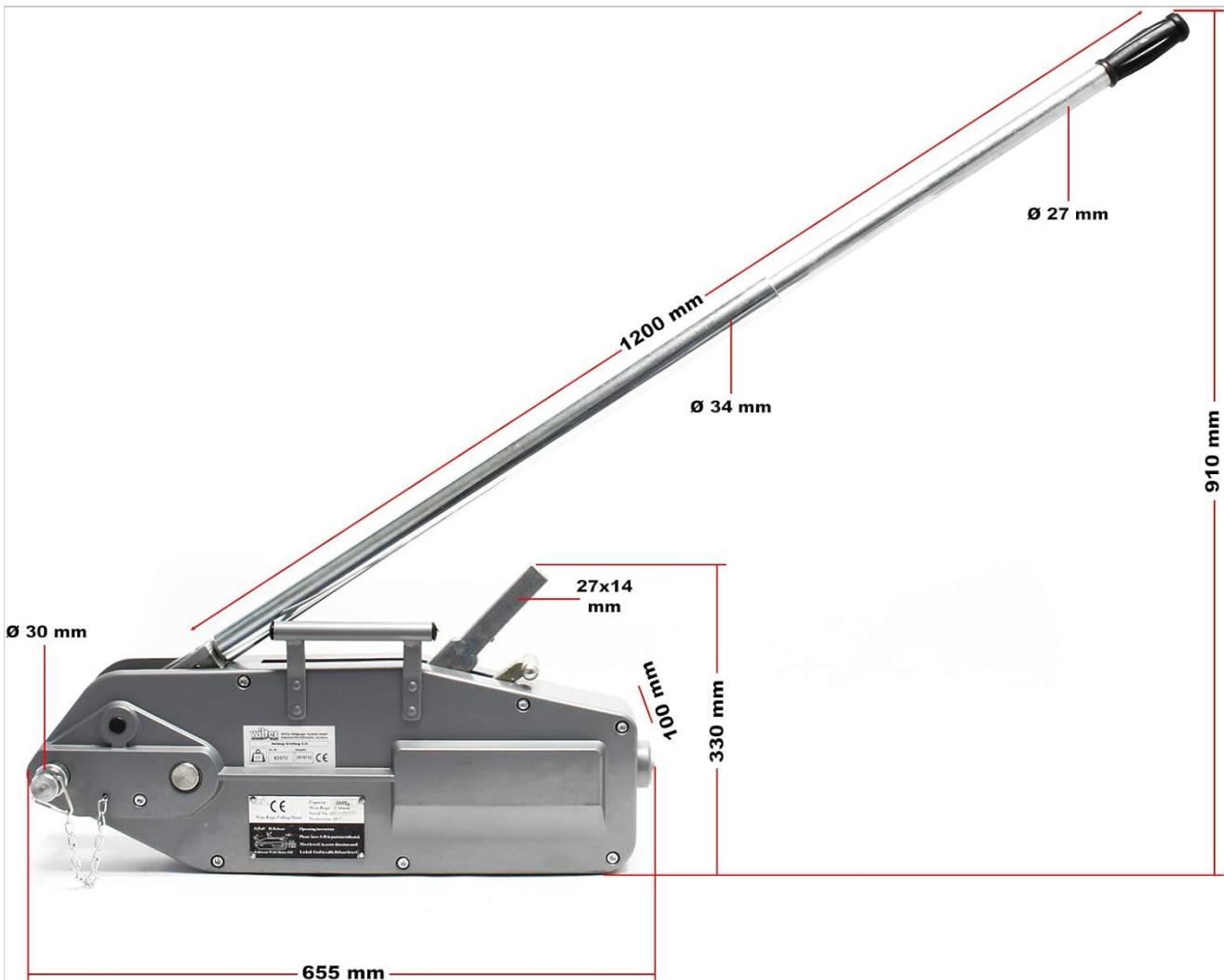


Image 7.1: Technical drawing of the Wiltec Manual Winch showing key dimensions in millimeters.

8. WARRANTY INFORMATION

Wiltec products are manufactured to high-quality standards. Specific warranty terms and conditions may vary by region and purchase date. Please retain your proof of purchase for any warranty claims.

For detailed warranty information, please refer to the documentation provided at the time of purchase or contact Wiltec customer support directly.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to order replacement parts, please contact Wiltec customer support.

- **Online Support:** Visit the official Wiltec website for FAQs, product information, and contact forms.

- **Contact Information:** Refer to your product packaging or the Wiltec website for the most current customer service contact details (phone, email).
- When contacting support, please have your product model number (62570) and purchase information ready.