

horntools SNB20-55

horntools Pulley Block SNB20-55 Instruction Manual

Model: SNB20-55

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your horntools Pulley Block, model SNB20-55. Please read these instructions carefully before use and retain them for future reference.

The horntools pulley block is designed for ground-level pulling applications. It is suitable for self-recovery of ATVs, quads, or similar equipment. Its lightweight design ensures portability and ease of use in various situations.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in serious injury or property damage.

- **Intended Use Only:** The pulley block is intended for ground-level pulling applications only.
- **DO NOT Use for Lifting:** This device is strictly prohibited for lifting loads.
- **Avoid Rapid Rotations:** Do not use the pulley block in applications involving rapid rotations.
- **Not for Woodworking:** This pulley block is not designed or approved for woodworking applications.
- **Load Capacity:** Do not exceed the working load limit of approximately 500 kg. The theoretical breaking load is 2000 kg, but this is not the safe working load.
- **Cable Diameter:** Ensure the cable used does not exceed 4.5 mm in diameter.
- **Inspect Before Use:** Always inspect the pulley block for any signs of damage, wear, or deformation before each use. Do not use if damaged.
- **Secure Attachment:** Ensure the pulley block and all associated equipment (cables, anchors) are securely attached and rated for the intended load.
- **Keep Clear:** Maintain a safe distance from the cable and pulley block during operation. Keep bystanders clear of the working area.

3. PRODUCT OVERVIEW

The horntools Pulley Block SNB20-55 is a compact and robust device designed to assist in pulling tasks. It features a durable steel construction and a smooth-running wheel.



Figure 1: horntools Pulley Block SNB20-55. This image displays the red-colored pulley block, highlighting its robust construction, the central wheel for the cable, and the two eyelets for attachment.

Package Contents:

- 1 x horntools Pulley Block SNB20-55

4. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	SNB20-55
Brand	horntools
Theoretical Breaking Load	2000 kg (2 tons)
Working Load Limit (Approx.)	500 kg
Maximum Cable Diameter	4.5 mm
Wheel Diameter	45 mm
Eyelet Diameter	19.7 mm

Feature	Specification
Dimensions (L x W x H)	97 x 51 x 27 mm
Weight	599 g
Material	Steel
Color	Red

5. SETUP AND INSTALLATION

- Proper setup is crucial for safe and effective operation. Always ensure all components are correctly installed and secured.
- Inspect Pulley:** Before each use, thoroughly inspect the pulley block for any signs of damage, cracks, bends, or excessive wear. Ensure the wheel rotates freely.
 - Select Cable:** Use a cable with a diameter no greater than 4.5 mm. Ensure the cable is in good condition, free from frays, kinks, or corrosion.
 - Attach Cable:** Open the pulley block (if applicable, or thread the cable through the opening). Ensure the cable sits correctly within the groove of the wheel.
 - Secure Anchor Point:** Attach one end of the pulley block to a secure anchor point (e.g., a tree saver strap around a sturdy tree, a vehicle recovery point) using a suitable shackle or hook. Ensure the anchor point is strong enough to withstand the pulling force.
 - Connect to Load/Winch:** Connect the other end of the cable, or the other attachment point of the pulley system, to the load you intend to pull or to your winch/pulling device.
 - Verify Connections:** Double-check all connections to ensure they are tight and secure before applying any tension.

6. OPERATING INSTRUCTIONS

- The horntools Pulley Block is designed to assist in ground-level pulling operations, often used to change the direction of pull or to increase mechanical advantage with a winch.
- Plan Your Pull:** Assess the terrain, the load, and the anchor points. Determine the safest and most effective pulling direction.
 - Set Up Pulley System:** Install the pulley block as described in Section 5. Ensure the cable runs smoothly through the pulley.
 - Clear the Area:** Ensure no personnel or obstacles are in the path of the cable or the load. Maintain a safe distance.
 - Apply Tension Slowly:** Begin applying tension to the cable slowly and steadily. Avoid sudden jerks or excessive force.
 - Monitor Operation:** Continuously monitor the pulley block, cable, anchor points, and the load during the entire pulling operation. Look for any signs of stress, slippage, or damage.
 - Stop if Necessary:** If any unusual noises, movements, or signs of failure are observed, immediately stop the operation and re-evaluate the setup.
 - Release Tension Safely:** Once the pulling operation is complete, release tension slowly and carefully before disconnecting any components.

Remember: This pulley block is for ground-level pulling only. Do not use for lifting.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your horntools Pulley Block.

- **Cleaning:** After each use, clean the pulley block to remove dirt, mud, and debris. A damp cloth is usually sufficient. Ensure no foreign objects are lodged in the wheel mechanism.
- **Inspection:** Periodically inspect the pulley block for wear on the wheel, deformation of the frame, corrosion, or any other damage. Pay close attention to the eyelets and the pin holding the wheel.
- **Lubrication:** The wheel's axle may benefit from occasional light lubrication with a suitable grease or oil to ensure smooth rotation, especially after exposure to water or harsh conditions.
- **Storage:** Store the pulley block in a clean, dry place, away from direct sunlight and corrosive chemicals, when not in use.
- **Replacement:** If any significant damage or wear is observed that could compromise the integrity or safety of the pulley block, discontinue use immediately and replace the unit.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your pulley block.

- **Issue:** Pulley wheel does not rotate smoothly.
 - **Solution:** Check for debris lodged in the wheel mechanism. Clean thoroughly. Apply a small amount of lubricant to the axle.
- **Issue:** Cable appears to be binding or rubbing excessively.
 - **Solution:** Ensure the cable diameter is within the specified limit (max 4.5 mm). Verify the cable is seated correctly in the wheel's groove. Check for any deformation of the pulley frame.
- **Issue:** Visible damage or deformation to the pulley block.
 - **Solution:** Discontinue use immediately. Do not attempt to repair structural damage. Replace the pulley block.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official horntools website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

horntools is committed to providing high-quality products. If you encounter any issues not covered in this manual, please reach out to the manufacturer for assistance.