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Strongway 22204007

Strongway 6in. Heavy-Duty Rigid Rubber Caster User Manual

Model: 22204007
Brand: Strongway

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Strongway 6in. Heavy-Duty Rigid Rubber Caster. This caster is designed for heavy-duty applications, featuring a durable rubber wheel that ensures quiet operation and effective shock and vibration absorption, protecting transported items. It is suitable for indoor use on surfaces such as concrete, tile, or wood.



Image: Front view of the Strongway 6-inch Heavy-Duty Rigid Rubber Caster, showing the black rubber wheel and the galvanized steel mounting plate and frame.

Safety Information

Read and understand all instructions before installing or using the caster. Failure to follow these instructions may result in property damage or personal injury.

- **Load Capacity:** Do not exceed the maximum load capacity of 660 pounds per caster. Overloading can cause caster failure and potential injury.
- **Surface Compatibility:** This caster is designed for indoor use on concrete, tile, or wood surfaces. Using it on uneven, rough, or abrasive surfaces may reduce its lifespan or cause damage.
- **Installation:** Ensure the caster is securely mounted to a stable and appropriate surface using suitable hardware. Loose casters can lead to instability and accidents.
- **Maintenance:** Regularly inspect casters for wear, damage, or loose components. Replace damaged casters immediately.

- **Temperature:** Avoid exposing the caster to extreme temperatures, which can affect the performance and durability of the rubber wheel.

Setup and Installation

Proper installation is crucial for the performance and safety of your caster.

1. **Prepare Mounting Surface:** Ensure the mounting surface is clean, flat, and strong enough to support the caster and its intended load.
2. **Position Caster:** Place the caster's mounting plate onto the desired location on the equipment or furniture.
3. **Mark Holes:** Use the mounting plate as a template to mark the positions for drilling holes. The plate has four pre-drilled holes.
4. **Drill Holes:** Drill pilot holes of appropriate size for your mounting hardware.
5. **Secure Caster:** Attach the caster using bolts, nuts, and washers (not included) that are suitable for the load and material. Ensure all fasteners are tightened securely.



Image: Top view of the caster's mounting plate, showing the four bolt holes for secure attachment.

Operating Instructions

The Strongway 6in. Heavy-Duty Rigid Rubber Caster is designed for straightforward operation.

- **Load Distribution:** Distribute the load evenly across all casters to prevent overloading any single caster.
- **Movement:** This is a rigid caster, meaning it will only move in a straight line. Plan your movement path accordingly. For directional changes, the entire unit must be maneuvered.
- **Surface Considerations:** The rubber wheel provides quiet operation and shock absorption on smooth indoor surfaces like concrete, tile, and wood. Avoid moving over sharp objects or highly abrasive surfaces.
- **Speed:** Operate at a reasonable speed. Rapid acceleration or sudden stops with heavy loads can put undue stress on the casters and the equipment.



Image: Side view of the caster, highlighting the robust rubber wheel and the rigid frame structure.

Maintenance

Regular maintenance will extend the life and performance of your caster.

- **Regular Inspection:** Periodically inspect the caster for any signs of wear, cracks in the rubber wheel, or damage to the frame and mounting plate.
- **Check Fasteners:** Ensure all mounting bolts and nuts are tight. Re-tighten if necessary.
- **Cleanliness:** Keep the wheel and axle area free from debris, string, or other obstructions that could impede rotation.
- **Lubrication:** While this caster is designed for low maintenance, a light application of grease to the axle bearing (if accessible) can prolong its life, especially in dusty or wet environments.
- **Replacement:** If the wheel is severely worn, cracked, or the frame is bent, replace the caster immediately to maintain safety and functionality.

Troubleshooting

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Caster not rolling smoothly	Debris wrapped around axle; damaged bearing; worn wheel.	Remove debris; inspect and replace if bearing or wheel is damaged.
Excessive noise during movement	Lack of lubrication; loose components; damaged wheel.	Lubricate axle; tighten mounting bolts; replace damaged wheel.
Caster wobbles or is unstable	Loose mounting bolts; bent frame or mounting plate.	Tighten all mounting bolts; replace caster if frame is bent.
Reduced load capacity	Overloading; worn wheel or bearing.	Ensure load is within specified limits; replace worn components.

Specifications

Feature	Detail
Brand	Strongway
Model Number	22204007
Load Capacity	660 Pounds
Wheel Diameter	6 inches (implied from title)
Material	Rubber (wheel), Steel (frame/plate)
Mounting Type	Plate Mount
Item Weight	5.47 Pounds
Package Dimensions	8 x 6 x 3.61 inches

Official Product Videos

No official product videos from the seller were found for this item in the provided data.

Warranty and Support

For warranty information or technical support, please refer to the manufacturer's official website or contact Strongway customer service directly. Specific warranty details are not provided in this manual.
You can visit the Strongway store on Amazon for more products and information:Strongway Amazon Store

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