Suwooy M8/M10 Bolts, 40mm/50mm Wheel Diameter

Suwooy Castor Wheels with Brakes Instruction Manual

Model: M8/M10 Bolts, 40mm/50mm Wheel Diameter

1. Introduction

Thank you for choosing Suwooy Castor Wheels. These high-performance swivel castors are designed for various applications, including trolleys, furniture, office chairs, cribs, workbenches, shelves, and shopping carts. Constructed from durable polyurethane and stainless steel, they offer smooth, silent movement and reliable support.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your castor wheels to ensure optimal performance and longevity.

2. Product Features

- **Mute and Wear-Resistant:** Wheels made of high-elasticity polyurethane ensure smooth, silent movement without damaging floors or leaving scratches.
- **Swivel Design:** High-quality stainless steel bearings and large steel balls provide 360° smooth rotation and flexible steering.
- **Brake Design:** Intimate brake pedal allows for easy stopping and securing of the castor, enhancing safety during use.
- **Durable Construction:** Made from polyurethane and steel for strength and longevity.
- **Versatile Use:** Ideal for industrial, school, workshop, home, hospital, and office environments.

3. Package Contents

Each package typically includes:

- 4 x Castor Wheels (combination of braked and non-braked as per order)
- Nuts (for M8/M10 bolts)
- Wrenches (for installation)

4. Setup and Installation

Installation of Suwooy Castor Wheels is designed to be straightforward. Ensure you have the correct bolt size (M8 or M10) for your application.

4.1 Identifying Components

Familiarize yourself with the parts of the castor wheel:



Figure 4.1: Labeled components of the castor wheel, highlighting the bolt, bracket, wheel, and brake mechanism.

4.2 Installation Steps

1. **Prepare the Mounting Surface:** Ensure the surface where the castor wheels will be attached is clean, flat, and strong enough to support the intended load.
2. **Insert the Bolt:** For threaded applications, screw the M8 or M10 bolt of the castor wheel into the corresponding threaded hole on your furniture or equipment.
3. **Secure with Nut:** Use the provided nut and wrench to tighten the castor wheel securely. Ensure it is firm but do not overtighten, which could damage the threads or the castor.
4. **Repeat for all Casters:** Install all castor wheels, ensuring they are aligned and securely fastened.



Figure 4.2: Dimensional overview of Suwooy castor wheels, illustrating key measurements for installation planning.

The image above provides detailed dimensions for both non-braked and braked castor wheel variants, including wheel diameter, total height, and bolt specifications (M8 or M10, 25mm length).

5. Operating Instructions

5.1 Movement

The Suwooy castor wheels are designed for smooth, 360-degree swivel movement. Simply push or pull the object to which they are attached. The polyurethane wheels ensure quiet operation and protect floor surfaces.

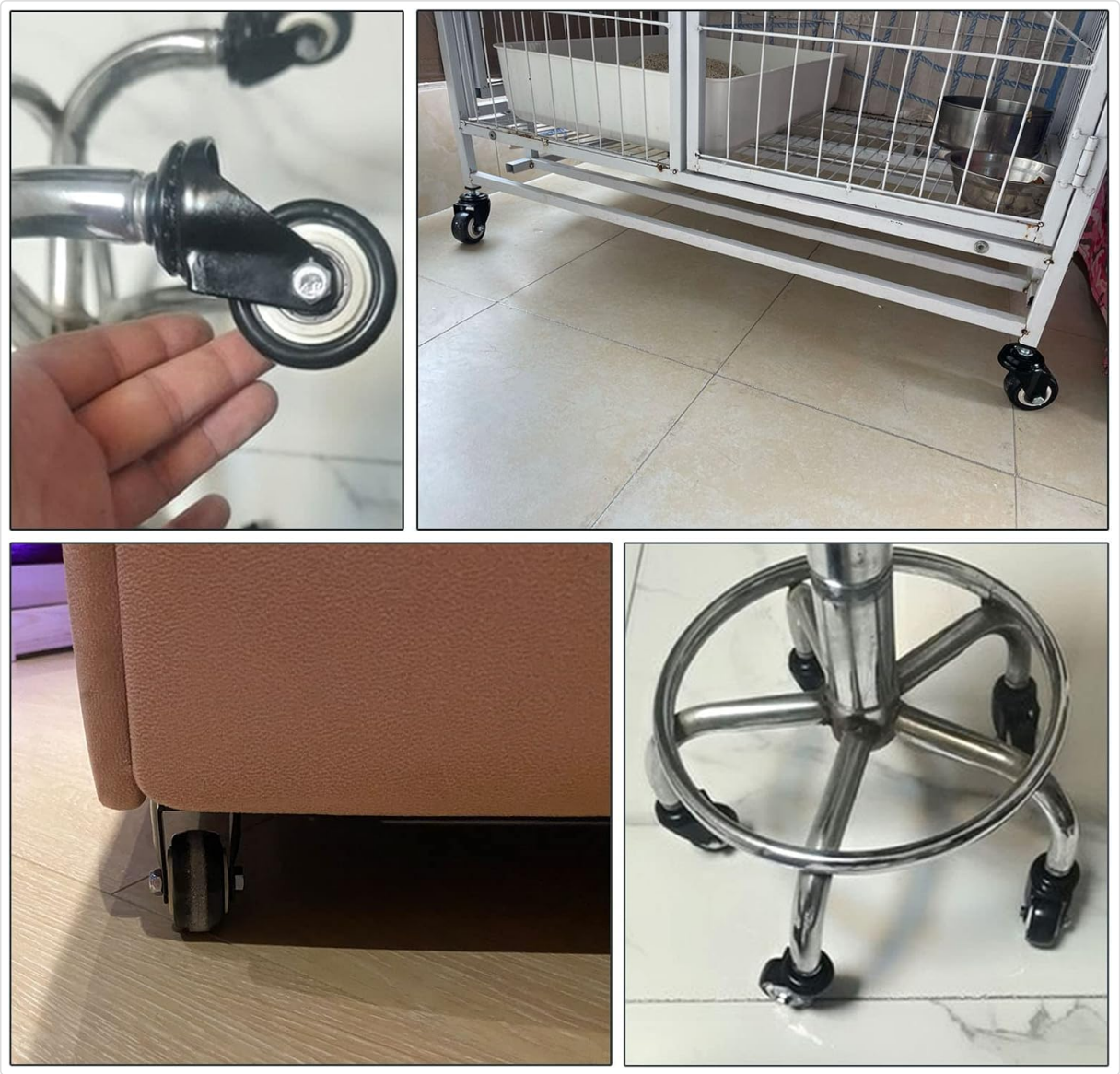


Figure 5.1: Examples of Suwooy castor wheels in use on different furniture items.

5.2 Engaging the Brake (for braked models)

For castor wheels equipped with a brake, follow these steps to secure the object:

1. **Position the Object:** Move the furniture or equipment to its desired stationary location.
2. **Engage Brake:** Step down firmly on the brake pedal located on the side of the castor wheel. You should feel a click or resistance, indicating the brake is engaged.
3. **Verify Security:** Gently attempt to move the object to ensure the brake is holding it securely in place.

5.3 Releasing the Brake (for braked models)

To resume movement, simply lift the brake pedal upwards until it disengages. The wheel will then be free to rotate and swivel.

6. Maintenance

Regular maintenance helps prolong the life and performance of your Suwooy Castor Wheels.

- **Cleaning:** Periodically clean the wheels and housing to remove dust, dirt, hair, or debris that may accumulate and hinder smooth operation. Use a damp cloth; avoid harsh chemicals.
- **Inspection:** Regularly check the bolts for tightness. Loose bolts can affect stability and cause premature wear. Inspect the wheels for any signs of damage, cracks, or excessive wear.

- **Bearing Check:** Ensure the swivel mechanism rotates freely. If it feels stiff, check for obstructions. The high-quality silent bearings are designed for long service life.
- **Brake Function (for braked models):** Test the brake mechanism periodically to ensure it engages and disengages properly.

7. Troubleshooting

If you encounter any issues with your castor wheels, refer to the following common problems and solutions:

- **Wheel not rolling smoothly:**
  - Check for debris (hair, lint, dirt) caught in the wheel or axle. Clean thoroughly.
  - Ensure the mounting bolt is not overtightened, which can restrict wheel movement.
  - Inspect the wheel for damage or flat spots.
- **Swivel mechanism is stiff:**
  - Check for any obstructions or debris in the swivel bearing area.
  - Ensure the castor is mounted correctly and not under excessive uneven load.
- **Brake not engaging/disengaging (for braked models):**
  - Verify that the brake pedal mechanism is free of obstructions.
  - Ensure the brake pads are making proper contact with the wheel.
- **Caster feels wobbly:**
  - Tighten the mounting bolt securely.
  - Ensure the mounting surface is stable and not damaged.

8. Specifications

Refer to the table below for detailed product specifications:

Parameter	Detail
Brand	Suwooy
Material	Polyurethane + Stainless Steel
Wheel Diameter	40mm (1.57in) / 50mm (1.97in)
Wheel Height	61mm (2.4in) / 70mm (2.76in)
Screw Type	M8 / M10
Load Capacity (4 casters, 40mm wheel)	160kg (352 lbs)
Load Capacity (4 casters, 50mm wheel)	240kg (529 lbs)
Item Weight (approx.)	0.63 kg (1.39 lbs) per set of 4



Figure 8.1: Internal components and materials, highlighting the double bearing design and polyurethane wheel material.

9. Customer Support

If you have any questions regarding the product, installation, operation, or any other concerns, please do not hesitate to contact us. We are committed to providing prompt assistance and will reply to your inquiries within 24 hours.

Please refer to your purchase documentation or the retailer's website for specific contact information.