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OUTWATER SAMS-7-BK-BRK

Instruction Manual: 2" Black Nylon Swivel Hooded Samson Twin Wheel Caster with Brake

Model: SAMS-7-BK-BRK | Brand: OUTWATER

1. PRODUCT OVERVIEW

The OUTWATER Samson Series Twin Wheel Casters are designed for smooth and quiet mobility of furniture and equipment. This 4-pack of 2-inch diameter casters features durable black Nylon 6 wheels and hoods, suitable for various floor types including hardwood and carpet. Each caster includes a brake mechanism for secure positioning and a 5/16-18 x 1" UNC threaded stem for easy installation.



Figure 1.1: OUTWATER 2" Black Nylon Swivel Hooded Samson Twin Wheel Casters (4-pack) with packaging.



Figure 1.2: Detailed view of a single caster, highlighting the brake mechanism.

2. KEY FEATURES

- **Durable Construction:** Made from black Nylon 6 and Zinc-Plated Steel for long-lasting performance.
- **Twin Wheel Design:** 2-inch twin wheels provide increased surface contact and minimize carpet fiber twisting.
- **Integrated Brake:** Each caster includes a locking brake to secure furniture in place.
- **Non-Marring Wheels:** Nylon 6 material prevents unsightly black track marks, making them safe for various floor types including hardwood, laminate, and carpet.
- **Gusset-Reinforced:** Features 16 gussets (8 on each side) and steel axle technology for enhanced rigidity and strength, supporting up to 75 lbs per caster (static rating).
- **Quiet Operation:** Enclosed moving mechanism and axle reduce noise levels, ideal for office and residential environments.
- **Easy Installation:** 5/16-18 x 1" UNC threaded stem allows for simple screw-in installation.
- **360° Swivel:** Provides full range of motion for effortless maneuverability.

GUSSETS PROVIDE EXTRA STRENGTH



Figure 2.1: Illustration of gusset-reinforced wheels and hardened steel axle for enhanced strength.



SAFE FOR

CARPET • TILE • WOOD FLOORING

Figure 2.2: Casters are safe for use on multiple floor types without leaving marks.

3. SPECIFICATIONS

Attribute	Value
Wheel Diameter	2 inches (50mm)
Installed Mounting Height	2-5/16 inches (58.7mm)
Stem Type	UNC Threaded Stem
Stem Dimensions	5/16-18 x 1 inch
Load Capacity (Static)	75 lbs per wheel (300 lbs per set of 4)
Load Capacity (Dynamic)	49 lbs per wheel (196 lbs per set of 4)

Attribute	Value
Material	Nylon 6, Zinc-Plated Steel
Color	Black
Swivel Radius	2-1/8 inches
Manufacturer	Outwater
Model Number	SAMS-7-BK-BRK
UPC	707571852884

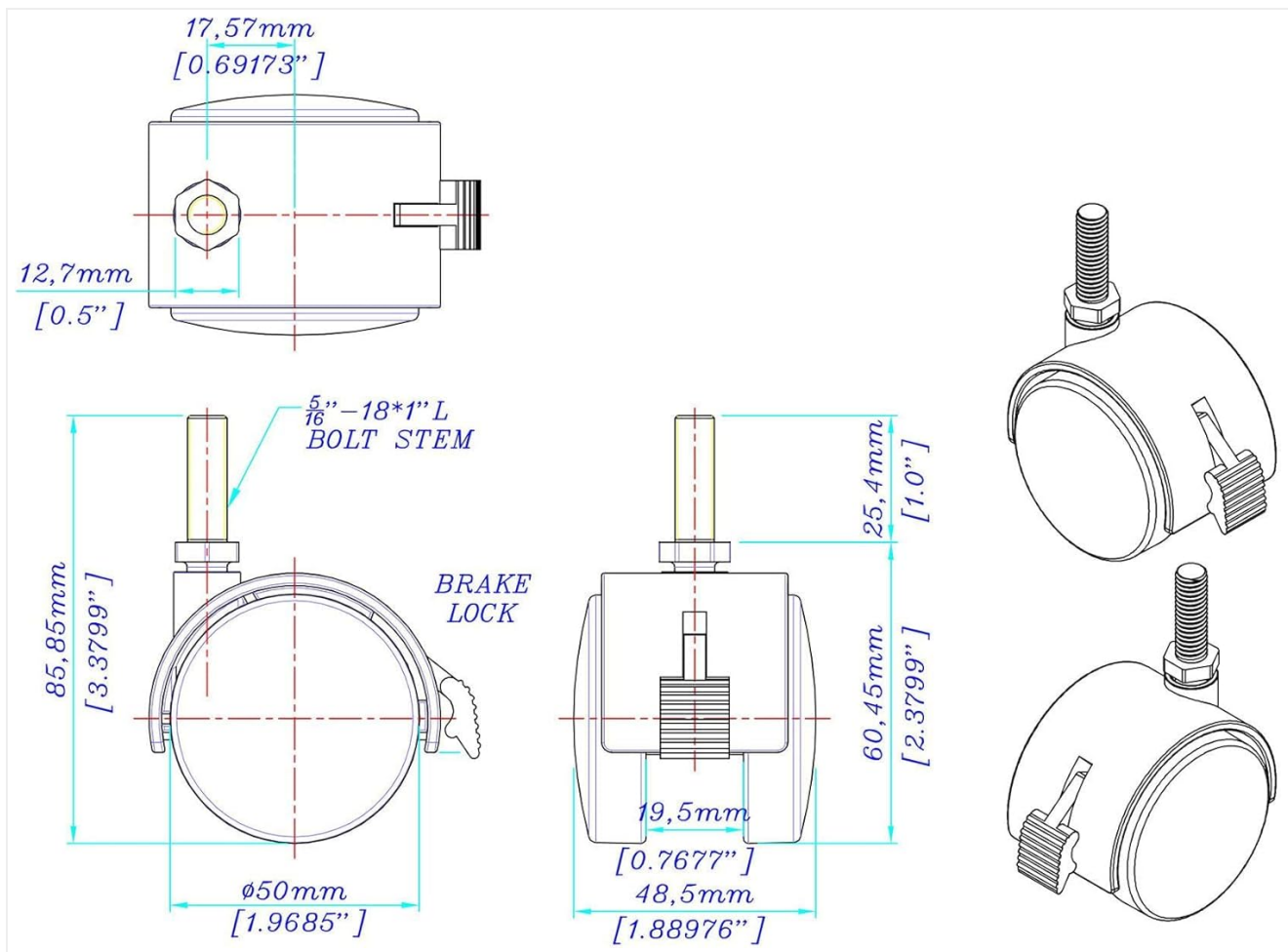


Figure 3.1: Detailed technical dimensions of the caster.

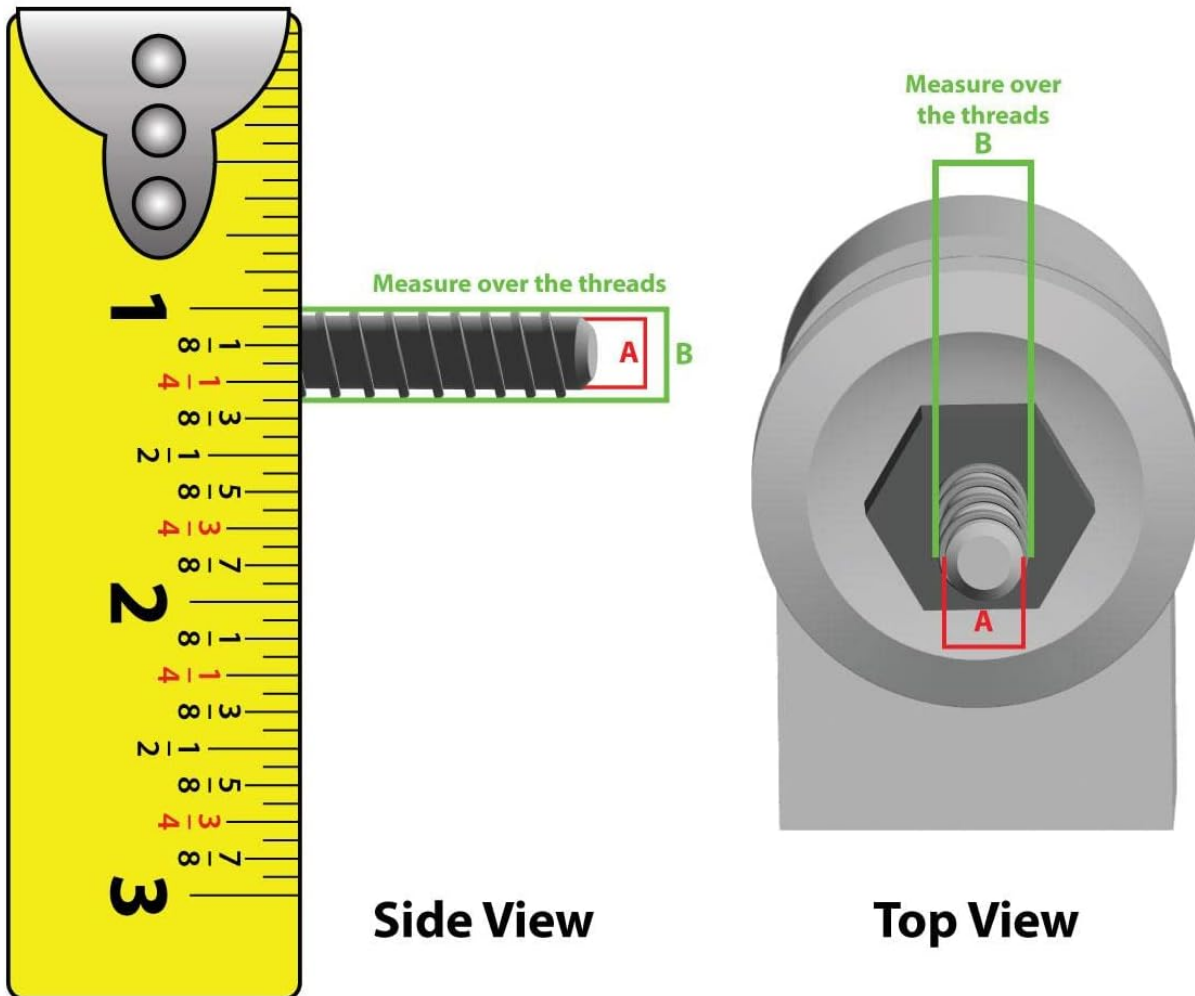
4. SETUP AND INSTALLATION

These casters are designed for easy, tool-free installation into compatible furniture. Ensure your furniture has a threaded receptacle that matches the 5/16-18 x 1" UNC stem. If replacing existing casters, first remove the old casters before installing the new ones.

4.1. Verifying Stem Compatibility

Before installation, it is crucial to verify that the threaded stem of the new OUTWATER caster matches the existing receptacle on your furniture. The stem diameter is measured over the threads.

How to Measure the DIAMETER of a CASTER STEM



**Measure the diameter of the threads (B) not the centerpost (A).
The diameter of this caster is 5/16"**

Use a measuring tape or ruler to determine the diameter of the caster stem.

Figure 4.1: Guide to measuring caster stem diameter. The diameter of this caster's stem is 5/16".

4.2. Installation Steps

1. **Prepare the Furniture:** If replacing old casters, carefully remove them from the furniture legs. This may involve pulling them out or unscrewing them, depending on their type.
2. **Insert New Casters:** Align the threaded stem of the new OUTWATER caster with the threaded receptacle on the furniture leg.
3. **Screw into Place:** Gently screw the caster into the receptacle by hand, turning clockwise until it is securely tightened. Do not overtighten.
4. **Repeat:** Install all remaining casters following the same procedure.
5. **Test Stability:** Once all casters are installed, gently test the stability of the furniture before applying full weight.

5. OPERATING INSTRUCTIONS

The OUTWATER Samson Twin Wheel Casters are designed for smooth and effortless movement across various surfaces.

5.1. Movement

These casters feature a 360-degree swivel action, allowing for easy maneuverability in any direction. The twin-wheel design helps distribute weight and reduces friction, making it simple to move furniture without excessive effort.

5.2. Engaging the Brake

Each caster is equipped with a brake mechanism to prevent unintended movement. To engage the brake, press down firmly on the lever located on the side of the caster until it clicks into the locked position. To disengage, lift the lever upwards.

Always ensure all casters are either fully engaged or fully disengaged to prevent uneven stress on the furniture and potential damage.



Figure 5.1: Example of casters installed on a piece of furniture.

6. MAINTENANCE

Regular maintenance will ensure the longevity and smooth operation of your OUTWATER casters.

- **Cleaning:** Periodically clean the wheels and the area around the axle to remove dust, hair, and debris that may accumulate and hinder smooth movement. Use a damp cloth and mild soap if necessary.
- **Inspection:** Regularly inspect the casters for any signs of wear, damage, or loose connections. Ensure the threaded stem remains securely tightened.
- **Lubrication:** While these casters are designed for quiet operation, a small amount of silicone-based lubricant can be applied to the swivel mechanism if any squeaking or stiffness occurs. Avoid oil-based lubricants as they can attract more dirt.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Caster not rolling smoothly	Debris (hair, lint) caught in wheels or axle.	Clean wheels and axle area thoroughly.
Caster squeaks during movement	Lack of lubrication in swivel mechanism.	Apply a small amount of silicone-based lubricant to the swivel point.
Brake not holding furniture securely	Brake mechanism not fully engaged or worn.	Ensure the brake lever is pressed down firmly until it locks. If worn, consider replacement.
Caster feels loose or wobbly	Threaded stem is loose in the receptacle.	Carefully tighten the threaded stem by turning the caster clockwise until snug. Do not overtighten.

8. WARRANTY AND SUPPORT

Your OUTWATER Samson Twin Wheel Casters are backed by a commitment to quality. For specific warranty details and support, please refer to your purchase documentation or contact the seller directly.

Return Policy: This product is eligible for a refund or replacement within 30 days of purchase, as per the seller's policy.

For further assistance, you may visit the official OUTWATER Store on Amazon: [OUTWATER Store](#)