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HamiltonBuhl S-BC-6NF

Hamilton Plate Caster User Manual

Model: S-BC-6NF

PRODUCT OVERVIEW

This manual provides essential information for the proper setup, operation, and maintenance of your Hamilton Plate Caster with Brake. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.



Image showing the Hamilton Plate Caster, featuring a red polyurethane wheel, a black combination brake lever, and a silver metal plate for mounting. The wheel has a 6-inch diameter and 2-inch width.

SETUP AND INSTALLATION

The Hamilton Plate Caster is designed for plate mounting. Proper installation is crucial for safety and performance.

Mounting Instructions:

- Ensure the mounting surface is flat, stable, and capable of supporting the caster's load capacity.
- Position the caster plate on the desired mounting location. The top plate measures 4-1/2 inches in length by 4 inches in width.
- Mark the bolt hole locations. The bolt hole patterns are 3 inches x 3 inches and 2-5/8 inches x 3-5/8 inches.
- Drill pilot holes if necessary, ensuring they are appropriate for 0.375-inch bolts.
- Secure the caster using appropriate bolts, washers, and nuts. Tighten all fasteners securely to prevent loosening.

during operation.

- Verify that the caster is firmly attached and can swivel freely before applying load.

OPERATING INSTRUCTIONS

This swivel caster is equipped with a combination brake for enhanced control.

Swivel Function:

The caster features a swivel rig, allowing for 360-degree rotation of the wheel assembly. This provides excellent maneuverability for equipment and carts.

Brake Operation:

- To engage the brake: Press down firmly on the black brake lever. This action simultaneously locks both the swivel mechanism and the wheel, preventing movement.
- To disengage the brake: Lift the brake lever upwards until it clicks into the unlocked position. The wheel and swivel will then move freely.
- Always engage the brake when the equipment needs to remain stationary, especially on inclines or uneven surfaces.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your caster.

- **Cleaning:** Clean the wheel and swivel assembly periodically to remove dirt, debris, and foreign objects that may impede movement or brake function. Use a damp cloth; avoid harsh chemicals that could damage the polyurethane or plastic components.
- **Lubrication:** While the caster features a roller bearing, periodic inspection of the swivel raceway and wheel axle for smooth operation is recommended. Lubricate with a suitable grease if any stiffness is observed.
- **Hardware Inspection:** Regularly check all mounting bolts and nuts for tightness. Re-tighten as necessary to prevent loosening due to vibration or heavy loads.
- **Corrosion Resistance:** The caster and hardware have a corrosion-resistant zinc-plated finish. However, prolonged exposure to harsh environments may still cause wear. Inspect for signs of corrosion and address them promptly.
- **Wheel Inspection:** Inspect the Poly-Tech polyurethane wheel for cuts, cracks, or excessive wear. Replace the wheel if significant damage is present to maintain floor protection and rolling ease.

TROUBLESHOOTING

This section addresses common issues you might encounter with your caster.

Problem	Possible Cause	Solution
Wheel does not roll smoothly.	Debris caught in wheel or bearing. Worn wheel or bearing. Overload.	Clean wheel and bearing area. Inspect and replace if necessary. Reduce load to within capacity.

Problem	Possible Cause	Solution
Caster does not swivel freely.	Debris in swivel raceway. Damaged swivel bearing. Mounting bolts too tight.	Clean swivel raceway. Inspect and replace caster if damaged. Loosen mounting bolts slightly, ensuring security.
Brake does not engage or disengage properly.	Debris obstructing brake mechanism. Damaged brake lever or components.	Clean brake mechanism. Inspect for damage; replace caster if brake is faulty.

SPECIFICATIONS

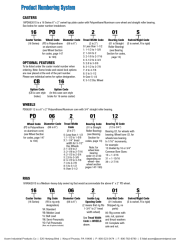

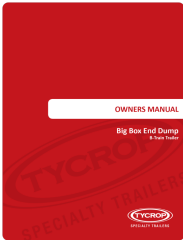


Model Number	S-BC-6NF
Brand	HamiltonBuhl
Load Capacity	850 pounds
Wheel Diameter	6 Inches
Wheel Tread Width	2 Inches
Mount Height	7.5 Inches
Plate Length	4.5 Inches
Plate Width	4 Inches
Material	Polyurethane (Poly-Tech Duralast on Polypropylene Wheel)
Wheel Color	Red tread on white center
Caster Rig Type	Cold Forged
Bearing Type	Roller Bearing (3/4 inch straight)
Temperature Range	-30°F to 180°F
Chemical Resistance	High
Package Dimensions	7.6 x 7.4 x 3.8 inches
Item Weight	4.95 Pounds

WARRANTY AND SUPPORT

For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact the manufacturer directly. Hamilton Caster products are known for their durability and quality.

If you require technical assistance or have questions regarding your Hamilton Plate Caster, please contact the seller or manufacturer's customer support. Ensure you have your model number (S-BC-6NF) and purchase details available when seeking support.

Related Documents - S-BC-6NF

	<p>Acorn Industrial Casters and Wheels Product Numbering System</p> <p>Explore the Acorn Industrial Products caster and wheel numbering system. Understand model codes, select the right wheel materials, sizes, bearings, and features for your industrial applications. Comprehensive guide for industrial casters.</p>
	<p>U.S. General 72 in. x 22 in. Triple Bank Roller Cabinet Replacement Parts</p> <p>Find essential replacement parts for the U.S. General 72 in. x 22 in. Triple Bank Roller Cabinet - Green (Item# 56116). This list includes part numbers, descriptions, diagram references, and prices for maintaining your tool storage unit.</p>
	<p>TYCROP Big Box End Dump B-Train Trailer Owner's Manual</p> <p>Comprehensive owner's manual for the TYCROP Big Box End Dump B-Train Trailer, covering warranty, maintenance, specifications, and operational guidance.</p>
	<p>Dancover Folding Garage (Car), Large Assembly Manual</p> <p>Assembly instructions and contact details for the Dancover Folding Garage (Car), Large model (2.8x6.24x2.3m). Includes material list and step-by-step guidance.</p>
	<p>Masport Series 21 Contractor ST 3'n1 Rotary Mower Parts and Information</p> <p>This document provides detailed parts information and diagrams for the Masport Series 21 Contractor ST 3'n1 rotary mower, including part numbers, descriptions, and quantities for various assemblies and components.</p>



SR/S SERVICE MANUAL

Model 11.1
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[Zero SR/S Service Manual](#)

Comprehensive service manual for the Zero SR/S electric motorcycle, covering maintenance, safety, charging systems, motor and drive systems, suspension, brakes, wheels, body, and electrical components.