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> Bomar Low Profile Extruded Nibo Hatch 20X20 User Manual

## Bomar N103910A

# Bomar Low Profile Extruded Nibo Hatch 20X20 User Manual

Model: N103910A

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Bomar Low Profile Extruded Nibo Hatch 20X20. Designed for marine applications, this hatch offers durability and functionality. Please read this manual thoroughly before installation and use to ensure proper performance and longevity of your product.

## PRODUCT FEATURES

- Anodized heavy-duty aluminum frames for corrosion resistance and strength.
- Heavy-duty acrylic top providing clear visibility and durability.
- Designed with no sharp corners to prevent snagging of lines or sails.
- Equipped with heavy-duty hinges for reliable operation.
- Features quick-acting, adjustable tie-down dogs for secure closure.
- Includes a locked vent position for ventilation while maintaining security.
- Low profile design with a height above deck of approximately 1 inch.
- Options available include inside/outside opening, powder coating, and white acrylic.
- CE approval available (please specify when ordering).
- Spare parts are available for maintenance and repair.

## SETUP AND INSTALLATION

Proper installation is crucial for the performance and watertight integrity of your Bomar hatch. It is recommended that installation be performed by a qualified marine technician.

### Required Tools and Materials:

- Drill
- Appropriate drill bits
- Marine sealant (e.g., P2000-81 tape as recommended by Bomar)
- Fasteners (stainless steel, appropriate length for deck thickness)
- Measuring tape and marking tools

## Installation Steps:

1. **Prepare the Opening:** Ensure the deck opening is clean, dry, and free of debris. The recommended hole cut-out dimension is 20 1/4" x 20 1/4".
2. **Test Fit:** Carefully place the hatch frame into the opening to verify fit. Ensure it sits flush with the deck surface.
3. **Apply Sealant:** Apply a continuous bead of marine sealant (such as P2000-81 tape) around the underside of the hatch flange that will contact the deck. This creates a watertight seal.
4. **Position and Fasten:** Carefully lower the hatch into the opening, aligning it as desired. Secure the hatch frame to the deck using appropriate stainless steel fasteners through the pre-drilled holes in the frame. Tighten fasteners evenly to compress the sealant, but do not overtighten.
5. **Clean Excess Sealant:** Wipe away any excess sealant that squeezes out from under the flange immediately after fastening.
6. **Final Check:** Open and close the hatch several times to ensure smooth operation. Verify that the tie-down dogs engage properly.



Image: The Bomar Nibo Hatch in an open position, illustrating the anodized aluminum frame, the heavy-duty acrylic lid, and the robust support arms that hold the hatch open.

## OPERATING INSTRUCTIONS

The Bomar Nibo Hatch is designed for ease of use and secure closure.

### Opening the Hatch:

1. **Release Tie-Down Dogs:** Rotate the quick-acting tie-down dogs located on the underside of the hatch lid to disengage them from the frame.
2. **Lift the Lid:** Gently push the lid upwards. The support arms will assist in holding the hatch open.
3. **Vent Position (if applicable):** For ventilation, the hatch can be secured in a partially open, locked vent position. Consult your specific model for this feature.

### Closing the Hatch:

1. **Lower the Lid:** Carefully pull the lid downwards until it rests flush with the frame.
2. **Engage Tie-Down Dogs:** Rotate the quick-acting tie-down dogs to engage them securely with the frame. Ensure they are fully tightened to create a watertight seal.



Image: Top view of the Bomar Nibo Hatch in a closed position, highlighting the dark acrylic lid and the surrounding white frame, indicating a secure seal.

## MAINTENANCE

Regular maintenance will extend the life and maintain the appearance of your Bomar Nibo Hatch.

- **Cleaning:** Clean the acrylic lid and aluminum frame regularly with mild soap and fresh water. Avoid abrasive cleaners or solvents that can damage the acrylic or anodized finish.
- **Gasket Inspection:** Periodically inspect the rubber gasket around the perimeter of the lid for signs of wear, cracking, or compression set. A damaged gasket can lead to leaks. Replace if necessary.

- **Hinge Lubrication:** Apply a small amount of marine-grade lubricant to the hinges and tie-down dog mechanisms annually to ensure smooth operation and prevent corrosion.
- **Fastener Check:** Annually check all mounting fasteners for tightness. Do not overtighten, as this can damage the deck or frame.
- **Acrylic Care:** To prevent scratches, avoid wiping the acrylic when dry. For stubborn stains, use a plastic-specific cleaner.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Hatch leaks water	Damaged or worn gasket; Loose fasteners; Improper sealant application during installation.	Inspect and replace gasket if necessary. Tighten fasteners evenly. Re-seal the hatch if installation was faulty.
Hatch difficult to open/close	Corroded or dry hinges/mechanisms; Misalignment.	Clean and lubricate hinges and tie-down dogs. Check for proper alignment of the lid within the frame.
Tie-down dogs do not secure properly	Worn mechanism; Misalignment; Obstruction.	Inspect for wear or damage. Clear any obstructions. Adjust if possible, or replace worn parts.

## SPECIFICATIONS

<b>Model Number</b>	N103910A
<b>Brand</b>	Bomar
<b>Hatch Opening Dimensions</b>	19 1/8" x 19 1/8"
<b>Hole Cut-out Dimensions</b>	20 1/4" x 20 1/4"
<b>O.D. of Deck Flange</b>	21 7/8" x 21 7/8"
<b>O.D. of Lid</b>	22 5/8" x 22 5/8"
<b>Height Above Deck</b>	Approx. 1"
<b>Frame Material</b>	Anodized Aluminum
<b>Lid Material</b>	Heavy-duty Acrylic
<b>Recommended Sealant</b>	P2000-81 tape for mounting
<b>Item Package Dimensions</b>	25 x 24 x 6 inches
<b>Package Weight</b>	5.53 Kilograms
<b>UPC</b>	759739000019

# N1039-10A

## NIBO HATCH 20.25 SQ LO PRO

Image: Product label displaying the model number N1039-10A and the product name "NIBO HATCH 20.25 SQ LO PRO", confirming manufacturing by Bomar.

### WARRANTY AND SUPPORT

For specific warranty information regarding your Bomar Low Profile Extruded Nibo Hatch, please refer to the documentation provided at the time of purchase or contact Bomar customer support directly. Bomar is committed to providing high-quality marine products.

For technical assistance, spare parts, or further inquiries, please visit the official Bomar website or contact their customer service department. When contacting support, please have your model number (N103910A) and purchase details readily available.