

[Manuals.plus](#) /

› [Nologo](#) /

› Nologo SK20 20mm Linear Shaft Support Instruction Manual

Nologo SK20

Nologo SK20 20mm Linear Shaft Support Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Nologo SK20 20mm Linear Shaft Support. This component is designed to provide stable and precise support for linear motion shafts in various applications, including CNC machinery, 3D printers, and other automated systems requiring linear guidance.

PRODUCT OVERVIEW

The SK20 Linear Shaft Support is a robust component engineered to securely hold 20mm diameter linear shafts. Its design ensures stable positioning and minimizes deflection, contributing to the overall precision and longevity of linear motion systems.

Key Features:

- Designed for 20mm diameter linear shafts.
- Provides rigid support for linear motion applications.
- Constructed from durable metal for long-lasting performance.



Figure 1: Nologo SK20 20mm Linear Shaft Support. This image displays a single silver-colored linear shaft support, showing its base with two mounting holes and the circular opening designed to hold a 20mm linear shaft.

SETUP AND INSTALLATION

Proper installation of the SK20 linear shaft support is crucial for optimal performance and system stability. Follow these steps for secure mounting:

1. **Preparation:** Ensure the mounting surface is clean, flat, and free from debris. Identify the precise locations for the mounting holes based on your system design.
2. **Positioning:** Place the SK20 support on the designated mounting surface. Align the mounting holes on the support with the pre-drilled holes or marks on your surface.
3. **Securing:** Insert appropriate fasteners (e.g., M5 screws as indicated in specifications) through the mounting holes in the base of the support and into the mounting surface. Tighten the fasteners evenly to secure the support firmly.

Avoid over-tightening, which can deform the support or damage the mounting surface.

- 4. **Shaft Insertion:** Carefully insert the 20mm linear shaft into the circular opening of the SK20 support. Ensure the shaft slides smoothly without excessive force.
- 5. **Clamping (if applicable):** The SK20 design typically uses a clamping screw to secure the shaft. Tighten the clamping screw (e.g., M4 screw as indicated in specifications) to firmly hold the linear shaft in place. Ensure the shaft is properly aligned before final tightening.
- 6. **Alignment Check:** After securing all supports and shafts, verify that the linear shaft is parallel to its intended path and that all supports are aligned to prevent binding or excessive friction during operation.

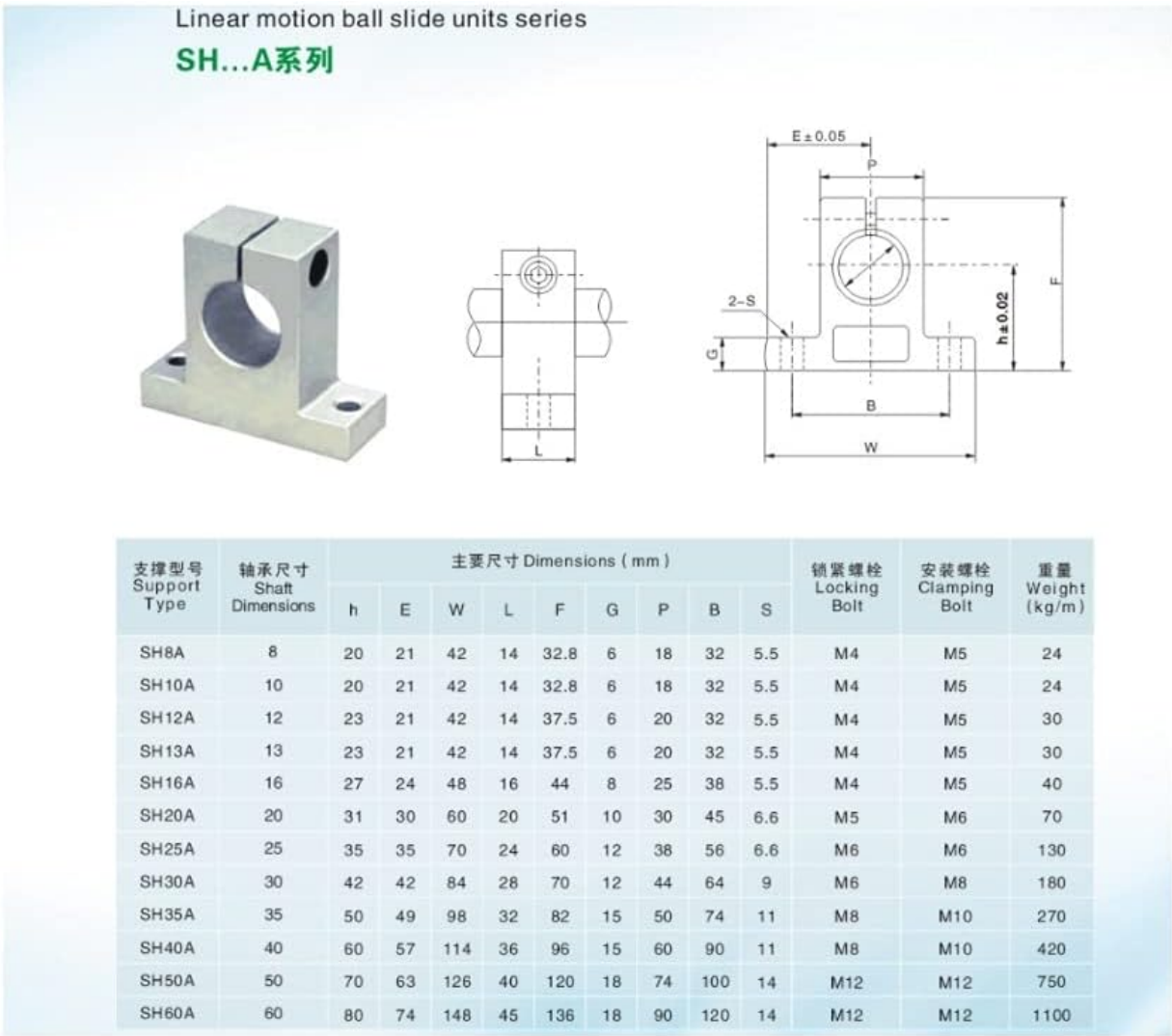


Figure 2: Dimensional drawing and specifications for SH series linear shaft supports. This image provides a technical diagram with various dimensions (H, E, W, L, F, G, P, B, S) and a table listing these dimensions, along with locking bolt and clamping bolt sizes (M4, M5) and weight for different support types (SH8A to SH60A), including SH20A which is equivalent to SK20.

OPERATING CONSIDERATIONS

The Nologo SK20 linear shaft support is a passive component. Its "operation" is defined by its role in supporting a linear shaft within a larger mechanical system. Ensure the following for optimal performance:

- **Load Capacity:** Do not exceed the recommended load capacity for the linear shaft and its supports. Excessive

loads can lead to deflection or premature wear.

- **Environmental Conditions:** Operate the system within appropriate temperature and humidity ranges. Protect the supports and shafts from corrosive environments.
- **Vibration:** Minimize excessive vibration, which can loosen fasteners or cause wear.

MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of the SK20 linear shaft supports.

- **Inspection:** Periodically inspect the supports for any signs of wear, damage, or corrosion. Check for loose mounting screws or clamping bolts.
- **Cleaning:** Keep the supports and surrounding areas clean from dust, debris, and contaminants. Use a soft cloth to wipe surfaces. Avoid harsh chemicals that may damage the material.
- **Lubrication:** While the support itself does not require lubrication, ensure that the linear shaft and any associated linear bearings are properly lubricated according to their respective maintenance guidelines.
- **Fastener Check:** Re-tighten any loose mounting or clamping fasteners as needed, ensuring not to over-tighten.

TROUBLESHOOTING

This section addresses common issues that may arise with linear shaft supports.

Problem	Possible Cause	Solution
Shaft movement is not smooth or binds.	Misalignment of supports or shafts. Loose clamping bolt. Debris in shaft opening.	Check and adjust alignment of all supports. Ensure clamping bolts are tightened. Clean shaft and support openings.
Excessive vibration or noise.	Loose mounting fasteners. Worn linear bearings (not the support itself).	Tighten all mounting fasteners. Inspect and replace linear bearings if necessary.
Support appears loose on mounting surface.	Loose mounting screws. Damaged mounting surface or screw threads.	Tighten mounting screws. Inspect screws and mounting surface for damage; replace if needed.

SPECIFICATIONS

The following specifications apply to the Nologo SK20 Linear Shaft Support:

- **Model:** SK20 (equivalent to SH20A in dimensional charts)
- **Shaft Diameter Compatibility:** 20mm
- **Material:** Metal
- **Item Weight:** Approximately 1 Grams (0.035 ounces) per unit
- **Manufacturer:** SUOFEILAIMU-US
- **Mounting Bolt Size:** M5 (refer to Figure 2 for specific dimensions 'P' and 'B')
- **Clamping Bolt Size:** M4 (refer to Figure 2 for specific dimensions 'h' and 'Q')

Note: Refer to Figure 2 for detailed dimensional drawings and additional specifications for the SH series, which includes the SK20 equivalent.

WARRANTY INFORMATION

Warranty information for the Nologo SK20 20mm Linear Shaft Support is not specified in the provided product details. Please contact your retailer or the manufacturer, SUOFEILAIMU-US, for specific warranty terms and conditions.

CUSTOMER SUPPORT

Customer support contact details for the Nologo SK20 20mm Linear Shaft Support are not specified in the provided product details. For technical assistance or inquiries, please refer to the contact information provided by your point of purchase or search for SUOFEILAIMU-US customer service online.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question