

## SFC Linear Guide Rail

VEVOR®

SFC LINEAR GUIDE RAIL

High Precision, Wear Resistance, Low Noise

Thickened Material

Anti-corrosion

High Load-bearing

Multiple Specifications

VEVOR SFC linear guide rail includes 2 guide rails and 4 slide blocks. The durable aluminum guide rails feature precise hole diameter and distance, while the SC slide blocks utilize ball bearings for smooth and unobstructed movement. Multiple specifications are available to perfectly fit your needs.

## Handle Pressure with Ease

Highly Stable & Non-deformable

Large load-bearing capacity for various heavy machinery and industrial applications

882 N 90 KG

Dynamic Load per Block

1370 N 140 KG

Static Load per Block

The linear bearing adopts an all-metal structure, and the slide block is tightly locked on the linear shaft, which has a high bearing capacity.

## Smooth Sliding without Stutter

High Precision Smooth Motion

Built-in ball bearing, Low friction movement

Dust-proof Clip  
Avoid Bearing  
Contamination

Pre-lubrication  
Ensures Long-term  
Stable Operation

Chrome Plated Surface  
Fearless of Wet  
Environment

Aluminum fully sealed SC slide block and built-in ball bearings slide smoothly and move more effortlessly to ensure long-term stable operation.

## More Accurate Than Ever

Precision Details for Accurate Motion

Enhancing Performance with High-Quality Components

Linear Deviation Error  $\leq 80 \mu\text{m} / 1000 \text{ mm}$

High Linear Precision Rail

Shaft Roundness Error  $\leq 3 \mu\text{m}$

High Roundness Precision Shaft

Accurately Positioned Mounting Holes

The linear motion guides have accurate hole distance, hole diameter, and standard shaft diameter, allowing you to install your equipment more precisely.

## Broad Usage Scenarios

Extensive Use

DIY router / lathe / mill sled

CNC Machine

DIY trainer rocker plate

Linear rail kit is widely used in high-load automation equipment and DIY equipment production. For example, DIY CNC engraving machines, lathes, etc.

VEVOR®

39.4in / 1000mm

2in / 51mm

1.6in

1.6in

2.1in

2in

4.7in / 120mm

Assembly Model :  
SFC20-1000L

Slide Block Model :  
SC20

Guide Rail Length :  
39.4 in / 1000 mm

Shaft Diameter :  
Φ 20 mm

Dynamic Load (per block) :  
882 N

Static Load (per block) :  
1370 N

Net Weight :  
7.3 lbs / 3.3 kg

Package Size :  
43.3 x 5.7 x 3.1 in

Material :  
High Carbon Steel & Aluminum

We continue to be committed to providing you with cost-effective tools. Please bear in mind that the savings shown are only estimates and do not necessarily mean to cover all categories. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

### Linear Guide Rail Set for Smooth CNC DIY Projects

In your CNC DIY projects, the VEVOR linear guide rail set ensures smooth and precise movements in your woodworking projects. Made from high-carbon steel and aluminum, these rails are built to last for a long time, with 39.4 inches in length. The dynamic load per block is 882 N, while the static load is 1370 N. These rails are ideal for low- and high-precision applications like router sleds, flattening tables, and more. Additionally, these rails arrive pre-oiled, ensuring smooth operation straight from the box. This coating also helps prevent rust and corrosion. Both beginners and experts can use this rail on their own. It's easy to install and align. There is also the linear guide rail set, which is easy to set up and align. Therefore, it serves both beginners and experts equally well. Our rail slides effortlessly, even with sawdust. That said, our robust design ensures durability and long-lasting performance. You can trust the quality and performance of these rails today. Upgrade your projects with these reliable rail sets.

### Robust and Durable SFC20 Guide Rails

What makes the SFC20 Guide Rails from VEVOR tough and durable? They're made from high-carbon steel. These rails are built to last. Each rail measures 39.4 inches in length, providing enough space for your projects. These rails can handle both dynamic and static loads. The dynamic load per block is 882 N, while the static load is 1370 N. This makes them suitable for a variety of applications. Both rails should be straight and polished for smooth operation. Their ends are heavy, which ensures stability during use. Additionally, the rail ends become smoother with use. Heavy Duty Resistance: It comes pre-oiled to prevent rust and ensure seamless operation. Additionally, it features chamfering to enhance safety. Our railside finish is also very resistant to bending and warping. So, this coating helps protect the railways against wear and tear. The high-precision Applications: The SFC20 guide rail also stands out for low and high-precision applications. The SFC20 guide rail is perfect for various applications, such as router sleds and flattening tables. All rails are easy to install and align. Therefore, they're perfect for beginners and experts alike. Upgrade your projects with our reliable rails today!

### Easy Installation and Alignment of Linear Rails and Bearings Kit

The installation process is simple. You can install and align the VEVOR Linear Rails and Bearings Kit easily. Each kit includes two 39.4-inch SFC20 guide rails, four SC20 slide blocks, and four rail supports. The rails are straight and polished for smooth operation. Your rail ends are chamfered for added safety. Also, the coating helps prevent rust and corrosion. The installation process is straightforward. Simply mount the rails or slide blocks according to the provided instructions. Additionally, the kit includes all necessary mounting hardware. This makes the installation process quick and easy. It includes everything you need for a convenient installation. Simply mount your rails and slide blocks with all the necessary mounting hardware. It ensures that everything goes smoothly and accurately. That means precise movements in your CNC DIY projects. Our strong design ensures durability and long-lasting performance. Both beginners and experts love using these reliable rail systems. Upgrade your projects today!

### Perfect for Building Router Sleds and Flattening Tables

The VEVOR linear guide rail set is ideal for building router sleds and flattening tables. The rails provide smooth and precise movements. This ensures accurate and consistent results. Each rail measures 39.4 inches in length. It provides enough space for your projects. These rails are made from high-carbon steel and aluminum. They also come pre-oiled for smooth operation right out of the box. Also, the coating helps prevent rust and corrosion. The installation process is easy. Simply mount the rail slide blocks according to the instructions provided. You can use them on a variety of applications. The installation process is straightforward. Just follow the included instructions as well. Additionally, you should always follow these instructions when mounting to a wall or other surface. Your alignment process will be simple, too. All rails are designed to slide smoothly and accurately. So, they give precise motions in your CNC DIY projects! The video tutorial makes it perfect for both beginners and experts. Install and align. Therefore, both beginners and experts can work effectively with these reliable rail systems and upgrade their woodworking projects today.

### Reliable Performance in Automated Machines and CNC Projects

The VEVOR linear guide rail set offers reliable performance in automated machines and CNC projects. The rails provide smooth and precise movements. This ensures accurate and consistent results. Each rail measures 39.4 inches in length. It provides ample space for your projects. Also, the coating helps prevent rust and corrosion. The installation process is straightforward. Simply mount the rail and slide blocks according to the provided instructions. The alignment process can be very simple. These rail systems are designed to slide smoothly and accurately. With this guide rail set, you can ensure precise motions in your CNC DIY projects. You will get exactly what you need for top-notch work. Our rail designs are made to glide smoothly while being easy to use. This makes it effortless to operate at all times. Our incredibly robust design makes it perfect for low- and high-precision applications. Therefore, our linear rail set is ideal for low- and high-accuracy applications. Upgrade your automated machine and CNC projects using these reliable rail sets today.

### High Carbon Steel Construction for Durability

The VEVOR Linear Guide Rail Set is made from high carbon steel. This ensures durability and long-lasting performance. Each rail measures 39.4 inches long, providing enough space for your projects. The rails are straight and polished for smooth operation. Their ends are chamfered for added safety. These rails are heavy, which guarantees stability during use. They also resist bending and warping, making them ideal for high-precision tasks. The steel construction makes these rails perfect for both low and high-precision applications. It is ideal for router sleds, flattening tables, and more. These rails can be installed and aligned. So, it's perfect for both beginners and experts. Get the most out of these reliable rails today!

### Cost-Effective Solution for DIY Enthusiasts

This is a cost-effective solution for DIY enthusiasts. The rails provide smooth and precise movements. This ensures accurate results. Each rail measures 39.4 inches long, providing enough space for your projects. These rails are made from high-carbon steel and aluminum. They also provide durability and long-lasting performance. Our dynamic load per block is 882 N. The static load is 1370 N, making them suitable for various applications. Rails come pre-oiled for smooth operation right out of the box. Also, it helps prevent rust and corrosion. The installation process is straightforward. Simply mount the rails and slide blocks according to the provided instructions. Furthermore, the coating helps to prevent rutting and damage. You can also use silicone glue or epoxy paint on the walls to prevent future leaks. The alignment process will be simple, too. The design of your rails ensures smooth and accurate movement. This design ensures precise motions in your CNC DIY projects! The VEVOR linear guide rail set is simple to install and align. Therefore, this means that both beginners and experts can achieve precision with these reliable rail systems today.

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## Specification

Model Number	SFC20-1000L	Slide Block Model	SC20
Guide Rail Length	39.4 in/1000 mm	Shaft Diameter	Φ20 mm
Dynamic Load (per block)	882 N	Static Load (per block)	1370 N
Material	High Carbon Steel & Aluminum	Mounting Hole Distance A	1.6 in/40 mm
Mounting Hole Distance B	1.6 in/40 mm	Slide Block Size(L x W x H)	2 x 2.1 x 1.6 in/50 x 54 x 41 mm
Product Dimensions(L x W x H)	39.4 x 4.7 x 2 in/1000 x 120 x 51 mm	Package Size(L x W x H)	43.3 x 5.7 x 3.1 in/1100 x 145 x 80 mm
Net Weight	7.3 lbs/3.3 kg		