

CNC Router Linear Guide Rail Blocks and Carriages

Linear guideways facilitate high-speed, high-accuracy, and smooth linear motion for extended operational life. These are commonly used in CNC machines such as routers, laser cutters, plasma cutters, turning lathes, and milling machines.



Product Overview

Precision Linear Motion Components

These linear guide rail blocks and carriages are engineered for high-performance CNC machining applications, delivering smooth, accurate motion. Featuring a robust 4-row steel ball design, they provide balanced load capacity in all directions, ensuring stability and longevity. The system's auto-adjust capability helps compensate for mounting plane deviations and assembly errors, making it ideal for demanding industrial environments.

Technical Specifications

Available Block Types

- Flange linear slide cage
- Square linear rail blocks

Contact Angle	45 degrees
Groove Construction	4-row steel ball design

Key Advantages

Performance Benefits

4 directions

Load Direction Balance

1 Low

Friction Level

System Advantages	High Speed, High Accuracy, Smooth Motion, Auto-Adjust Capability, Heavy Moment Load Support
-------------------	---

Applications

Typical Applications

CNC Routers • CNC Milling Machines • Industrial Automation • Linear Guideway Systems