

Precision Linear Motion Guide with Ball Screw

This linear motion guide ensures smooth and accurate movement through its carriage with recirculating ball bearings. The hardened steel rail and included ball screw enable precise positioning for CNC machines and automation.



ADDITIONAL IMAGES



Product Overview

Precision Linear Motion System

This linear motion guide utilizes recirculating rolling elements between a profiled rail and a bearing block to achieve smooth, high-precision movement. By reducing the coefficient of friction to just 1/50th of traditional slides, it ensures exceptional moving accuracy and load capacity in all directions. Designed for demanding industrial environments, this system is an ideal solution for CNC machinery and automated systems requiring reliable, high-precision positioning.

Technical Specifications

Compatible Bearing Blocks

- HGH20CA
- HGW20CC

Size Identifier

HG20

Material

Hardened Steel

Performance Metrics

Friction Comparison

0.02 ratio

Friction vs Traditional

Applications

Typical Applications

CNC Machines • Automation Systems • Precision Industrial Equipment