

1. Features of the LM Guide®

Functions Required for Linear Guide Surface

Smooth motion with no clearance

Running accuracy can be obtained easily

High positioning repeatability

Highly rigid in all directions

Large permissible load

High accuracy can be maintained over a long period

Superbly high speed

Features of the LM Guide

Ideal four-row, circular-arc groove, two-point contact structure

Superb error-absorbing capability with the DF structure

Accuracy averaging effect that absorbs mounting surface error

Large permissible load and high rigidity

Low friction coefficient

As a result, the following features are achieved.

- Low total cost
- Higher accuracy of the machine
- Increased productivity of the equipment
- Substantial energy savings
- Higher efficiency in machine design
- Easy maintenance