



THK PROFILE

The image shows two main components: a THK profile rail on the left and a ball screw on the right. The THK profile is a long, rectangular metal rail with a black end cap and a sliding carriage. The ball screw is a long, threaded metal rod with a circular flange at one end and a ball nut at the other.

ABOUT THK

THK CO., LTD. manufactures and supplies vital machinery components around the world. THK products help to convert slippage into controlled rotary motion, enabling parts of machinery to move smoothly, easily and precisely in a straight line. Driven by a business philosophy that emphasizes the Company's business philosophy, which is "providing innovative products to the world and generating new trends to contribute to the creation of an affluent society," THK has continued to focus on the development of a variety of products including LM guides, as a creative development-driven enterprise since our establishment in 1971.

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Originator of World-First Products

THK pioneered the development of the world's first linear motion (LM) guide on the back of its original concepts and innovative technologies. By providing the necessary components that help increase precision, rigidity and speed across such wide-ranging fields as machines tools and industrial robots, the Company has consistently played a major role in the ongoing development of industry.

Commanding a Leading Share of the Global Market

Since successfully developing the world's first LM guide, THK has commanded a leading share of the global market. LM guides that facilitate a controlled rolling motion so that parts of machinery will move in a straight line has long been in demand from the industrial machinery sector for use in machine tools as well as in semiconductor production and other equipment. Looking ahead, demand is expected to surge in a broad spectrum of consumer-related areas, including seismic isolation and damping systems, medical equipment, automotive parts and energy-related products.

Expanding Our Global Sales, Production and Development Structure

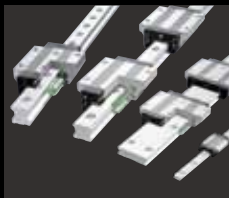
THK has actively promoted the development of an integrated production and sales structure with facilities and operations closer to centers of demand. The Company currently maintains a local production and sales network that covers its four principal markets, Japan, the Americas, Europe and Asia. As a result of this endeavor, we set up direct representation in 25 countries around the world. The Company is targeting raising its overseas sales ratio, which already stands at 46% in fiscal 2013, and we are soundly on target 50%.

PIONEER

25 COUNTRIES

NO.1

Main Products



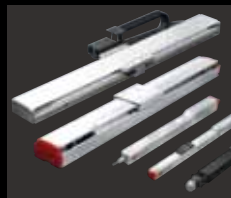
LM Guides

LM guides are our main products, which incorporated a part with linear rolling motion into practical usage for the first time in the world. They realize the development of high-precision, high-rigidity, energy-saving, high-speed machines with long service lives.



Ball Screws

Ball screws are high-efficiency feed screws with the balls making a rolling motion between the screw and the nut. Compared with conventional sliding screws, these products have drive torque of one-third or less, making them most suitable for saving drive motor power.



Actuators

Actuators are hybrid products combining a guide component such as an LM guide with a ball screw, linear motor or other drive component. Reductions in the number of parts and design man-hours can be realized by adopting the LM Guide Actuator.



Ball Splines

Ball splines are rolling guide spline bearings. This is an innovative product with a ball rolling on a groove in the shaft, realizing allowable loads greater than with linear bushings and enabling torque transmission while making linear movements.



Cross Roller Bearings

Cross roller rings have orthogonally arranged cylindrical rollers. They are roller bearings with high rotation accuracy capable of bearing loads in every direction. The rings are highly rigid despite their compact design, and are used in the rotating parts of many different types of industrial machinery.