



MICRO PRECISION LINEAR ACTUATORS

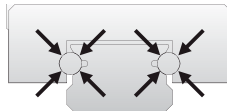
Modular Miniature Linear Actuators

PROFILE RAIL SPECIFICATIONS

High Load and High Moment Capacity

The HMR Miniature Linear Guide series is designed using two rows of recirculating balls. The design uses a Gothic profile with a 45° contact angle to achieve equal load capacity in all directions. Within the restriction of limited space, larger stainless steel balls are used to enhance the load and torsion resistance capacity.

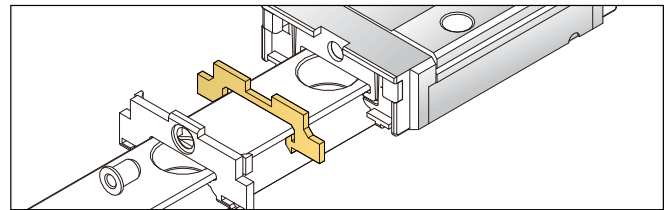
Helix linear guides (indicated with the thick black line to the right) provide greater surface contact as compared to competing products (indicated with the thin green-dotted line at right) when comparing same widths rails.



Lubrication Storage Design

Lubricant injection holes are featured at both ends of the runner block. As the balls circulate during movement of the block, the stainless steel balls carry lubrication oil to the raceway, thus efficiently lubricating the balls and the oil raceway, and achieving long-term, maintenance-free linear motion. This design also provides superb lubricating ability for short stroke movement. A newly-invented embedded lubrication pad design provides a selection of options for machine design.

(3M / W, 5M / W, 7M / W, 9M / W, 12M / W, 15M / W)



HMR-ee Series Stainless Steel Reinforced Plates Ensure High Robustness

Runner blocks are equipped with two stainless steel plates which reinforce the end-cap from end to end. This sturdier design supports higher running speeds. The plates can also function as scrapers to facilitate smooth travel.

