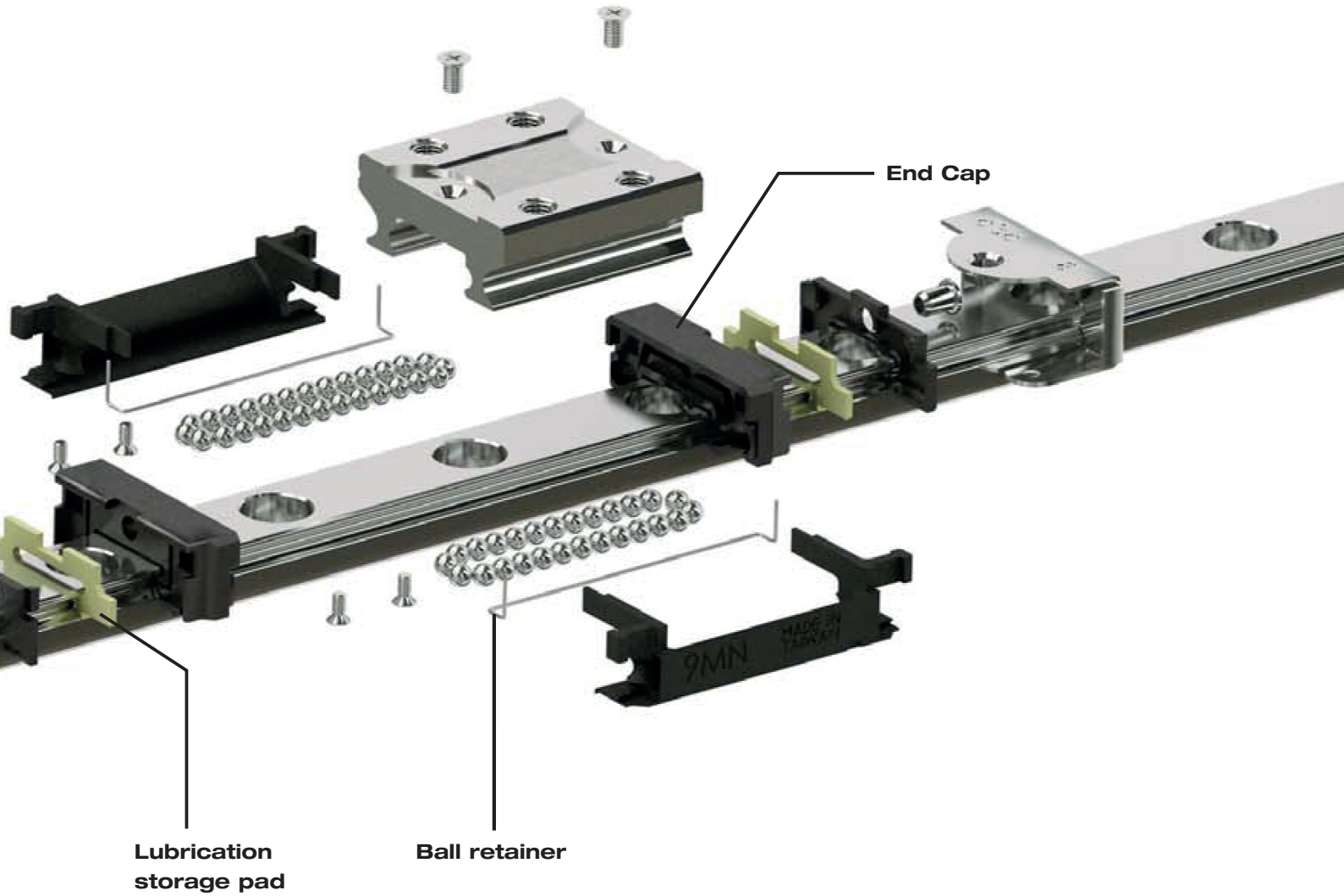
Product Overview

This linear guide system in miniature sizes is suitable for applications with limited space. Typical application areas are pharmaceutical and electronic industries.

The rails are available in a wide and a narrow version with sizes ranging from 3 mm to 15 mm. The sliders come in narrow and wide version. The system has a very high load capacity in relation to its size.

Characteristics

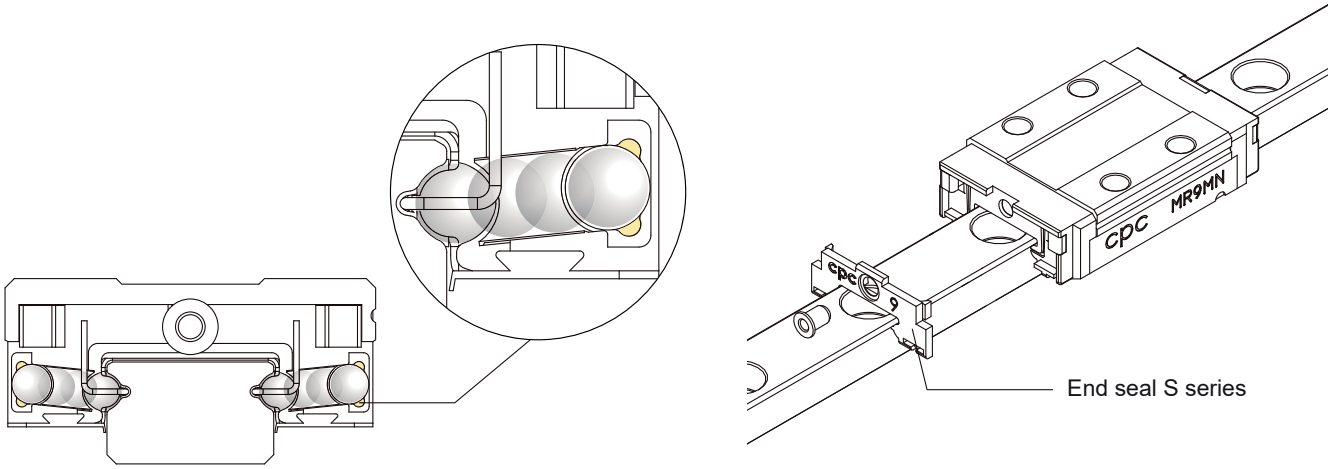
- **Designed for high load, high moment applications**
- **Embedded inverse hook design**
- **Unique ball re-circulation design**
- **Our steel reinforcement plate ensures sturdy assembly and a longer product lifespan**
- **Precision**
  MR Miniature linear guide series have three accuracy grades for design selections: Precision (P), High (H), Normal (N).
- **Lubrication storage**
  Environmentally-friendly system requires less lubricant.
- **Material**
  All of our MR miniature linear guide series are made from heat treated stainless steel material.
- **Built-in bottom seal**
  We recommend this new design as a priority purchase.


End Cap
Lubrication storage pad
Ball retainer

Features

Dust proof design

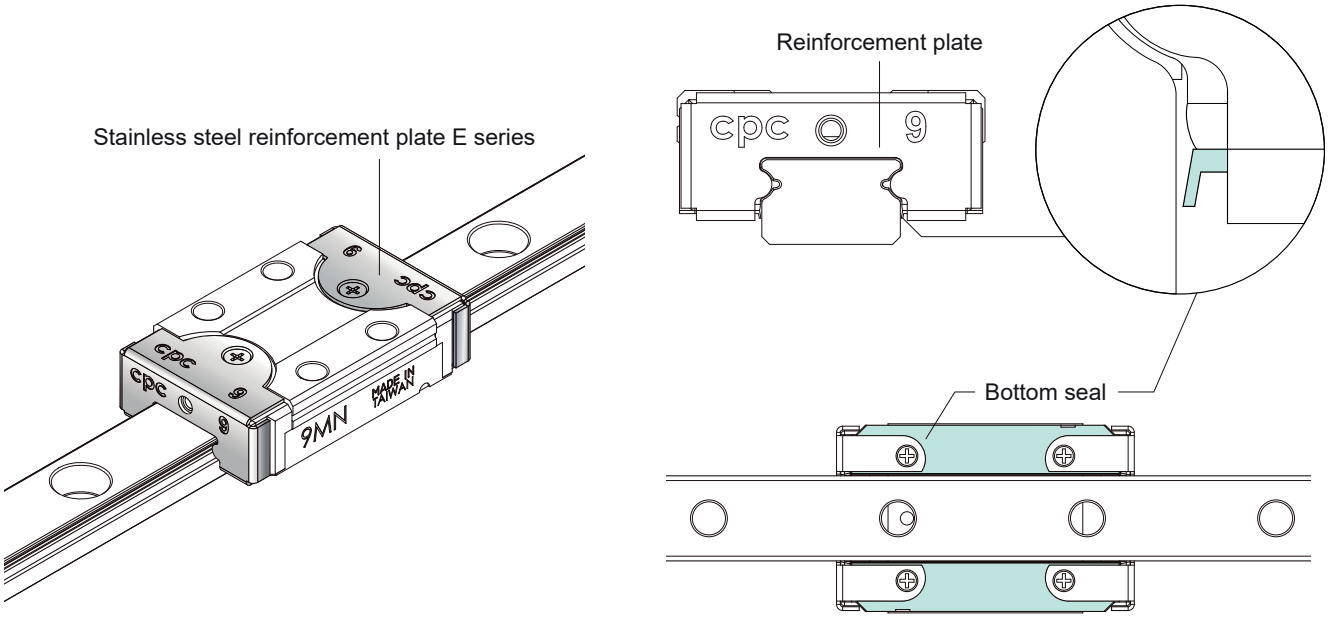
The standard end seal design can be hermetically sealed and dustproofed. This extends the product lifespan, reduces lubrication grease consumption, and ensures a long-lasting lubrication effect. The special seal slip design also ensures a low friction force so as not to affect the product's running smoothness.



Sealing and reinforcement

ZUE series - end seal, bottom seal, reinforcing plate and lubrication pad

The newly designed bottom seal protects lubrication grease from spilling below the runner block. With our built-in lubrication pad, an additional grease saving effect is attained, further prolonging our product's re-lubrication timeframe. The new design is recommended for priority purchase.

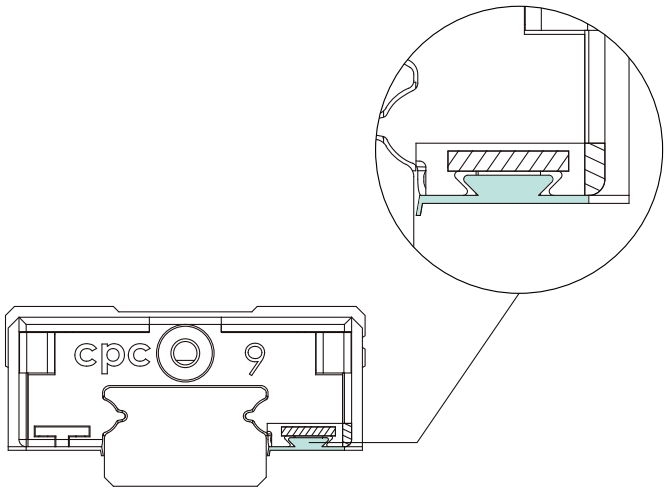


Embedded inverse hook design for reinforced mechanical integration

When the runner block is in motion and changing direction, the circulating stainless steel balls inside the raceway generate impact force against the plastic end cap. As the demand for rapid motion in the automation industry has increased, these blocks have inverse plastic hooks to tightly secure our miniature blocks by effectively distributing the applied stress over a larger area.

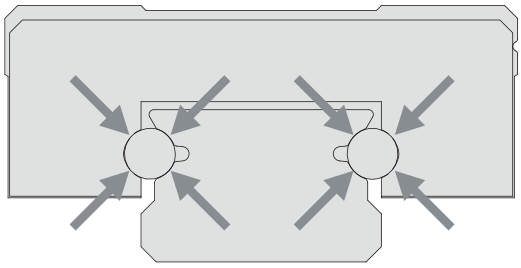
The new design is suitable for:

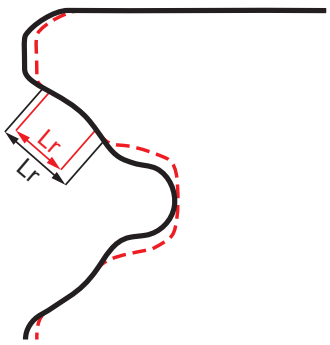
- High speed belt driven mechanisms
- High speed carrier designs
- Automation linkage between stations



High load and high moment capacity

The MR 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 an equal load capacity in all directions. Within the restriction of limited space, larger stainless steel balls are used to enhance load and torsion resistance capacity.





Under equal widthed rails, the black line indicates that our linear guides provide greater surface contact compared to competing products (indicated with the red-dotted line).