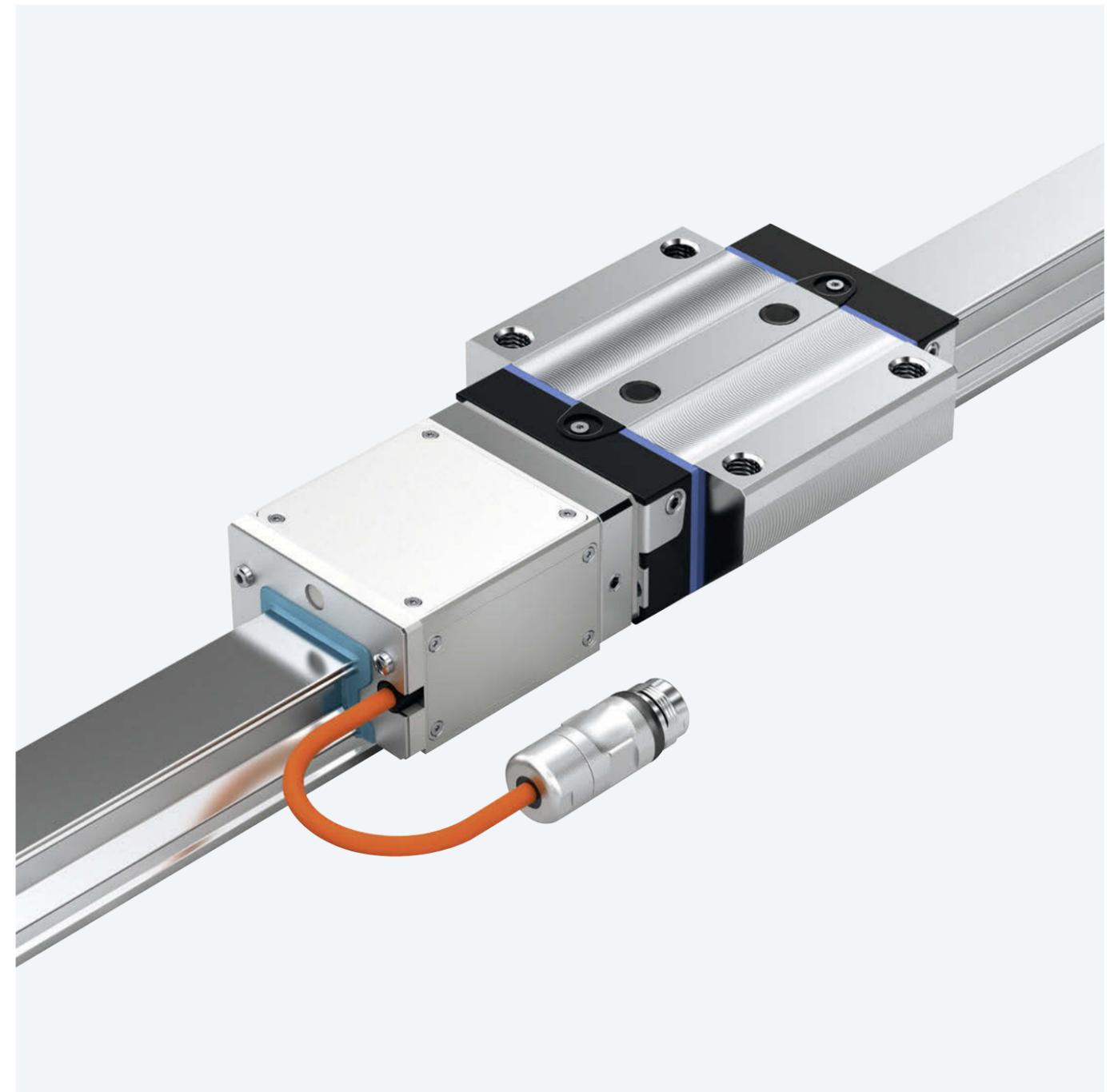


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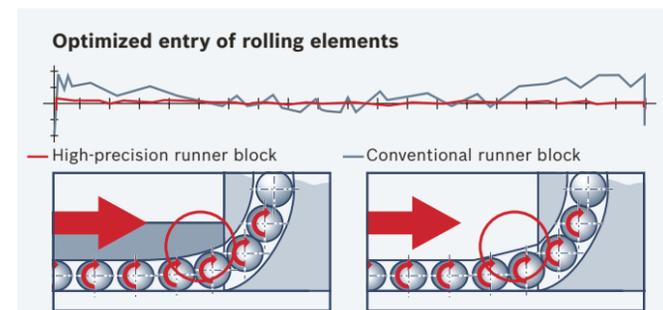
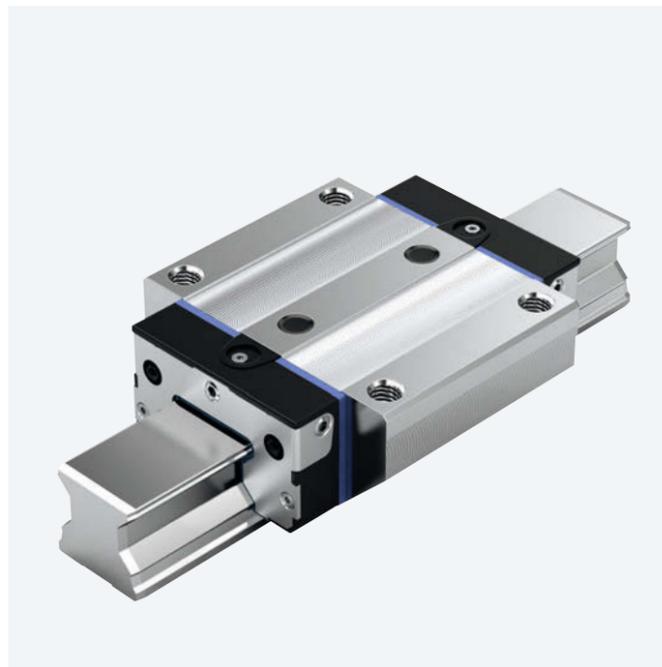
# RSHP Roller Rail System IMS-I Integrated Measuring System

Highest Precision and Positioning Accuracy



The data specified serve only to describe the product.  
As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification.  
It must be remembered that our products are subject to a natural process of wear and aging.

## RSHP roller rail system – highly precise



### Smooth transitions when moving heavy loads

To stay ahead of the competition, you need to control component costs and energy consumption. Optimizing your energy efficiency with a focus on high-performance components requires your constant and close attention. Linear guides are key components to maximizing precision and productivity, especially when it comes to moving the heaviest of loads.

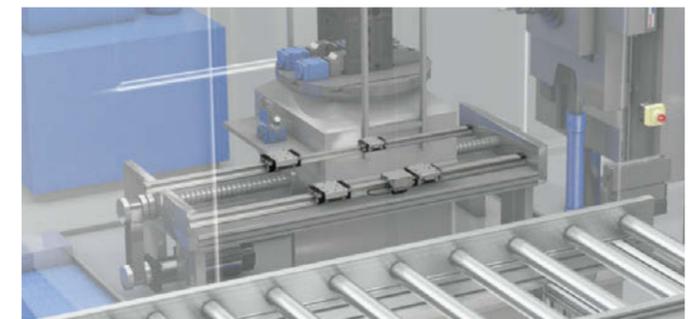
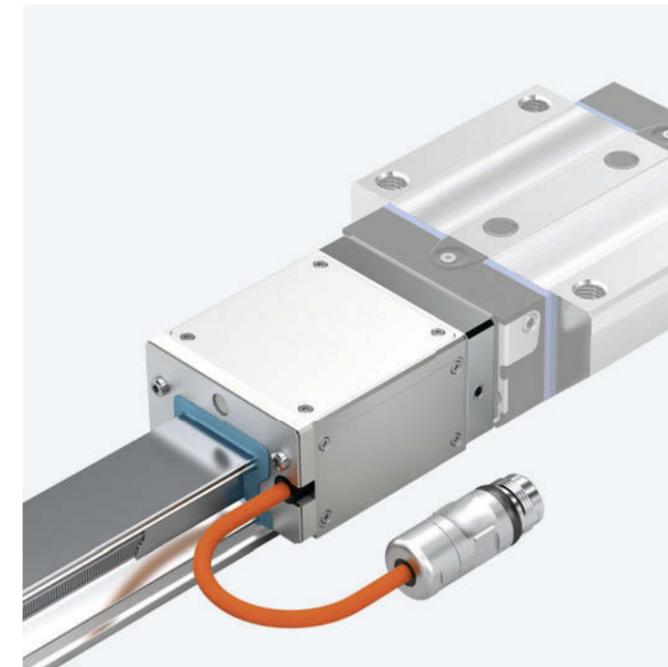
The latest generation of the RSHP (Roller Rail System High Precision) provides the utmost precision and has especially fast, but quiet running properties. Thanks to the optimized entry area of the runner block with high-precision effect, you achieve better processing results and a very good surface finish (e.g. machining processes).

The new lubrication and sealing concept lengthens the lubrication intervals by 20% and simplifies ordering.

### Clear advantages for higher productivity

- ▶ Better processing results and surface finishes, as well as significant increases in quality, through optimized entry of the rolling elements with a high-precision effect.
- ▶ Simpler and faster selection from 67% fewer versions
- ▶ 20% higher static load capacities, 10% higher dynamic load capacities
- ▶ 20% longer lubrication intervals with reduced lubricant consumption
- ▶ Modular sealing concept prevents lubrication loss and premature failure
- ▶ Extreme rigidity, robustness and long service life

## IMS-I integrated measuring system – unbeatable positioning accuracy



### Ultra-precise guiding and measuring

Quality and maximum productivity are the benchmarks of modern production. Intelligent systems with high-precision measurements and outstanding repeatability create optimal conditions for solving challenging precision tasks.

The IMS-I incremental length measuring system takes precision to a new level. The result is excellent workpiece quality. The inductive measuring system achieves exactness comparable to high-precision glass measuring, but without the need for any extra installation space.

The IMS-I operates contact- and wear-free, and substantially increases machine availability. It is also extremely resistant to external influences and contamination of any kind.

The IMS-I can be used with both roller and ball rail systems.

### Advantages resulting from special product features

- ▶ Wear-free due to the non-contact, inductive measuring principle
- ▶ High-precision position resolution and optimum repeatability for higher quality
- ▶ Scale made of steel
- ▶ No magnetic components
- ▶ Robust and contamination-resistant (protection class: IP67)
- ▶ Simplified construction, with complete integration of the measuring system components in the linear guide and the elimination of additional components
- ▶ Position acquisition close to the tool center point
- ▶ Maintenance-free operation
- ▶ Extensive range of components suitable for ball- and roller rail systems