



MECHANICAL DEVICES

iMotion
MOVING TECHNOLOGY

Bearing Systems: Keeping Your Moves Smooth

iMotion provides a wide range of superior performance bearing systems through our partnerships with industry leading suppliers. The power and performance of our product selection, combined with the expertise and creativity of iMotion, come together to create cost effective, high value engineered solutions for your company's specific needs.



PBC Linear began in 1983 as Pacific Bearing Company creating a patented and innovative solution to the common problem of failing linear ball bearings. Since then, we have greatly expanded our technology, expertise and services into a complete linear motion manufacturer.

Hevi-Rail® Combined Roller Bearings

PBC LiHevi-Rail® is PBC Linear's solution for extreme high load capacities and industrial strength handling applications.

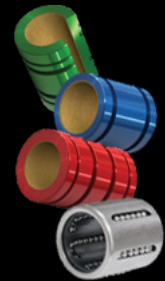
- Standard rail lengths up to 6m (19ft)
- Handles loads up to 4.6 tons per bearing
- Excels in temperatures from 10°C-80°C (14° - 176°F)
- Bearings can be provided individually or with a pre-welded flange plate



Linear Bearings Simplicity® Maintenance-free Liner

PBC Linear has combined Frelon material with precision bearing technology to create Simplicity® linear plain bearings.

- Handles loads over 700 kN (157,000 lbs)
- Wide temperature range: -240° C/204° C (-400° F / 400° F)
- Low maintenance in contaminated environments
- Size interchangeable drop-in replacement for linear ball bearings
- Straight OD or optional crowned self-aligning OD



Established in 1923, today SCHNEEBERGER stands for pioneering innovations in linear motion technology. With highly precise and reliable standard components they cover a wide range of linear and profile guidance applications. New pricing structure allows you to purchase these high quality products at an economical price.

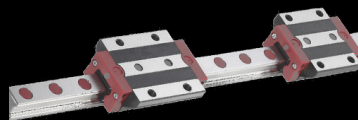
SCHNEEBERGER
LINEAR TECHNOLOGY

Roller MONORAIL

The very precise MONORAIL profiled guideways are used worldwide in many machine tool applications. The product features of the MONORAIL guideway result in higher machining rates while enhancing geometrical accuracy and surface quality of the machine workpieces.

Features

- High rigidity
- Great dynamic and static load carrying capacity
- Outstanding running smoothness
- Total closure of the carriage
- Improved vibration behavior, smaller vibration amplitudes that extend the tool life



Frictionless Guideways

SCHNEEBERGER introduced the R linear guideway/cross-roller guideway and ball guideway as the first standardized frictionless guideways in the world. The guideway can be equipped with rollers or balls and is suitable for many applications with medium to high requirements. The built-in Ethernet port allows programming and connection of common HMI and PLC protocols directly to the Motion Coordinator.

More Features

- Excellent load capacity
- High rigidity and precision
- Reduced contamination risk due to low clearances between the guide rails
- Space-saving solutions



iMotion

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