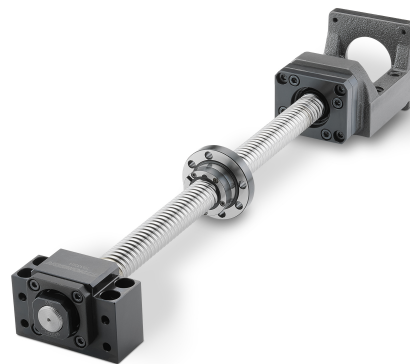




## Understanding Ball Screw Potential and Limitations

The ability to operate consistently at higher speeds is one reason that motion system designers often specify ball screws over lead screws. However, ball screws have speed limitations of their own, and understanding those will help you optimize ball screw assembly performance in applications ranging from small laboratory fluid pumps to large overhead gantries and high-performance machinery.



In a recent *Machine Design* article, we outlined both the great potential and limitations of ball screws as well as key factors enabling you to find the optimal design solution. Click the article link below to review these questions in more detail.

[READ THE FULL ARTICLE](#)

[TRY OUR NEW BALL SCREW SELECTOR TOOL](#)

## Benefits For Wash-down Applications With Prism-guided Linear Units

[Check out our Tech Tips video to learn more](#)

The Thomson Movopart is available in a belt-driven, prism-guide configuration with an optional washdown consideration. The prism guides are an engineered polymer that slide along the extrusion. These types of bearings are ideal for applications that:

- have shock loads
- need low noise
- have a washdown or caustic environment

Find out if these components are the ideal fit for your linear motion design project.



[VIEW THE VIDEO](#)

[TRY THE LINEAR MOTIONEERING® SIZING TOOL](#)

## Thomson Celebrates Its 75<sup>th</sup> Anniversary

**Innovation, engineering expertise and quality in motion technology continue to build better machines and improve lives**

My, how time flies. What began as John B. Thomson Sr.'s wartime government project to reduce friction in the motion of airplane propellers ultimately led to 75 years of linear motion innovation and countless solutions provided by Thomson across a wide range of industries.

Today, Thomson employees celebrate our success as a team and, most importantly, our ability over decades to help you design better machines faster and to improve lives.

Click below to learn more about our capabilities and history of innovation.



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