



Thomson offers six unique profile rail product families.

Profile rails provide increased rigidity and stiffness over round-rail products, while offering high load capacities in a small package. These rails can differ significantly in rigidity, load capacities, travel accuracy, smoothness of operation and speed, and they come in various sizes and mounting configurations.

In a recent article, Drives & Controls magazine compares the most common profile architectures for linear guides and explores the performance trade-offs you need to consider.

As poor profile rail installations can affect stiffness, capacity and smoothness, a handful of tips are provided for prepping surfaces, mounting, and choosing the ideal size and materials.

Read the article in Drives & Controls magazine >

Get started & find the optimal linear guide component >



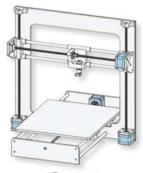
**NEW: Thomson Tech Tips Video** 

**Identifying Your Ball Screw Assembly** 

Need to replace worn ball screw assemblies but aren't exactly sure what kind you have?

This video demonstrates some simple techniques to help you determine and characterise your ball screw. Follow these and shorten the time it takes to replace worn assemblies:

Watch the video now >





**Design With More Thrust, Smaller Footprint and Easier Maintenance** 

A device equipped with Thomson's Motorised Lead Screws can achieve key design advantages:

- Combination of a hybrid stepper motor and a lead screw in one compact envelope needs less footprint.
- Up to 30% more load capacity than comparable products by optimising the motor performance and matching this with the ideal lead screw and nut design.
- Rapid prototyping / field serviceability with patent-pending Taper-Lock technology which allows quick decoupling and secure, properlyaligned connections.

Use the Performance Plot Generator to configure a product code and generate the Load/Speed curves: Publisher: Thomson Industries, Inc.

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