THOMSON™
Linear Motion. Optimized.

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How to Reduce Costs and Improve Time to Market

Reducing engineering design time for new linear motion system projects is integral to lower overall costs and faster time to market. Learn to reduce design time by minimizing non-value added activities, such as re-design, over design, or scope creep.

We'll do this by reviewing the basics: thoroughly understanding all of the application criteria; verifying calculations and analysis via parametric testing of components, modules, and full assemblies; and proving out projected performance results with testing.

Read *Reducing Design Time for Linear Motion Systems* to learn more.

+ READ MORE

+ problem solver

PROBLEM: Does Thomson provide profile rail longer than the standard length?

SOLUTION: Yes, and for rails longer than the longest length available in one piece, a butt joint is required.

A butt joint is formed by butting the end of two matched rails together. The ends of rails that are to be butt jointed are specially machined at the factory and marked with same letter, and must be assembled in the same order. Due to the need to have a special ground joint the rails by the factory longer length must be ordered as a set. Rails butted together without the special joint will not provide a smooth transition for the carriage from one rail to the other. This could damage the bearings and result in premature wear.

Thomson 500 Series Profile Rail (both ball and roller type) come in standard 6m lengths, minimizing the need for butt joints.

We strongly recommend the use of a locating edge when using butt jointed rails. This ensures proper alignment of the raceways across the joint.

+ GET MORE SOLUTIONS

+ education/events

UPCOMING WEBINAR:
Save space, save money, simplify your linear assembly design.

NEW Thomson Glide Screw™ – First Look

Date: Wednesday, October 23, 2013

Time:
2 p.m./14 h WEST (London, United Kingdom)
3 p.m. /15 h CEST (Berlin, Germany)

Please refer to your local time zone!

Learn in this free webinar how to easily streamline the design of a linear motion axis, reducing component count, envelope size and assembly time using the new Glide Screw™ technology.

Part linear bearing, part lead screw, the Thomson Glide Screw™ combines the best features of these products into an easy to install, one-part solution. The patent-pending Glide Screw™ brings high performance, fast installation and reduced complexity in a small package.

Here is your chance to get a first look at the newest in screw technology and find out what all the buzz is about!

+ REGISTER NOW

+ applications/tools/products

Optimize Machine Performance with NEW Linear MOTIONEERING®: Linear Guide Components

Do you need help selecting the right linear guide for your machine? With Linear MOTIONEERING®: Linear Guide Components, Thomson can help!

The latest addition to our robust family of Linear MOTIONEERING and other design tools, Linear MOTIONEERING: Linear Guide Components enables OEM and factory automation users to optimize machine design and performance by identifying the optimal configuration of Round or Square Rail linear guide components.

You can also get a complete orderable bill of materials, customized 3D models of the entire assembly of components, a printable application / solution data sheet and a quote all to help you simplify and speed the design process.

+LEARN MORE

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