



Ball Screws and Ball Splines

www.thomsonlinear.com

THOMSON[®]
Linear Motion. Optimized.™



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Thomson – the Choice for Optimized Motion Solutions

Often the ideal design solution is not about finding the fastest, sturdiest, most accurate or even the least expensive option. Rather, the ideal solution is the optimal balance of performance, life and cost.

The Best Positioned Supplier of Mechanical Motion Technology

Thomson has several advantages that make us the supplier of choice for motion control technology.

- Thomson provides the broadest standard product offering of mechanical motion technologies in the industry.
- Modified versions of standard product or white sheet design solutions are routine for us.
- Choose Thomson and gain access to over 70 years of global application experience in industries including packaging, factory automation, material handling, medical, clean energy, printing, automotive, machine tool, aerospace and defense.
- As part of Altra, we are financially strong and unique in our ability to bring together control, drive, motor, power transmission and precision linear motion technologies.

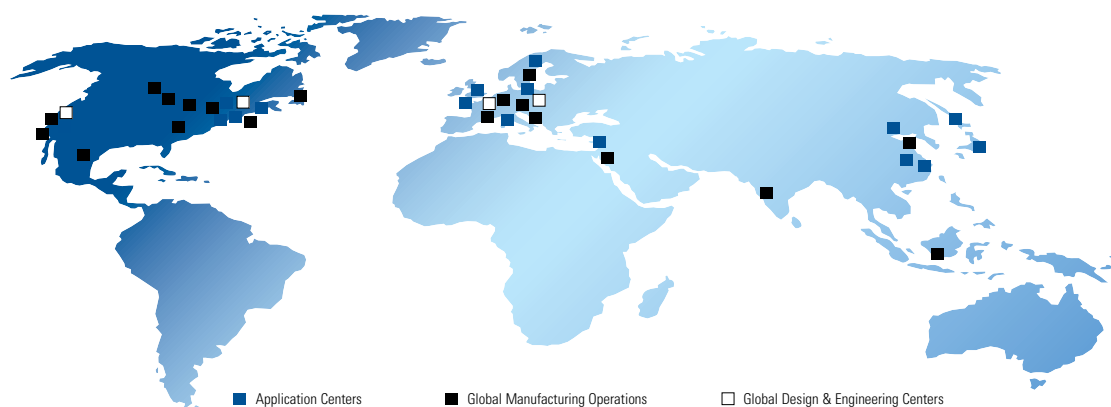
A Name You Can Trust

A wealth of product and application information as well as 3D models, software tools, our distributor locator and global contact information is available at www.thomsonlinear.com. For assistance, contact your local sales office (contact information listed on the back of catalog). Talk to us early in the design process to see how Thomson can help identify the optimal balance of performance, life and cost for your next application. And, call us or any of our 2000+ distribution partners around the world for fast delivery of replacement parts.

The Altra Business System

The Altra Business System (ABS) was established to increase the value we bring to customers. It is a mature and successful set of tools we use daily to continually improve manufacturing operations and product development processes. ABS is based on the principles of Kaizen which continuously and aggressively eliminate waste in every aspect of our business. ABS focuses the entire organization on achieving breakthrough results that create competitive advantages in quality, delivery and performance – advantages that are passed on to you. Through these advantages Thomson is able to provide you faster times to market as well as unsurpassed product selection, service, reliability and productivity.

Local Support Around the Globe





Lead Screws

High-Quality Lead Screws for Smooth, Precise and Reliable Positioning

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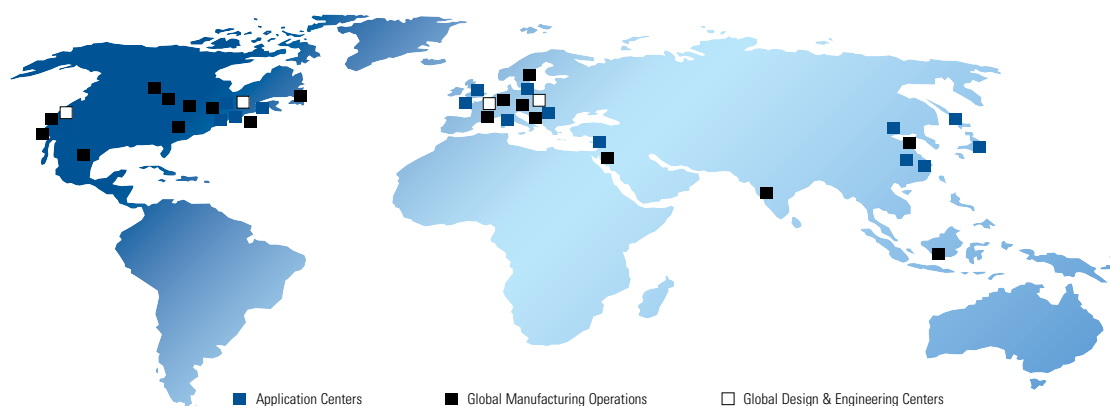
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Company Overview

The very best of the Thomson, Warner, BSA and Neff ball and lead screw lines are now combined to form the most complete product offering in the industry

Thomson has a long history of manufacturing quality lead screws. Our roots are planted in four separate companies that held strong and definitive footholds in the market. Those companies — **Ball Screws & Actuators Co, Warner Linear, Thomson Industries, and Neff Automation** — now form the nucleus of the Thomson lead screw business.

Founded in 1971, the **Ball Screws & Actuators Co. (BSA)** was a pioneer and leader in precision plastic nut, lead screw and ball screw technologies for linear motion applications. Their custom and off-the-shelf solutions featured many patented products, including their ActiveCAM technology for eliminating backlash while increasing performance and wear life.

Tollo Linear was founded in 1982 and manufactured linear actuators, linear drive units and handling components under a variety of trademarked product names. Its products were sold to direct customers, OEM manufacturers, and system houses throughout the world. In 1989, Tollo Linear was purchased by Warner Electric and the new division became known as **Warner Linear**.

Thomson Industries was the leading U.S. producer of linear motion control products, including linear actuators, ball screws, linear bearings and rails, and precision gearboxes. Its products were found in a range of precision motion applications in the medical, industrial, aerospace and mobile off-highway markets.

Neff Automation was founded in 1905 and has since been a leading manufacturer of industrial products for linear motion applications. In the past four decades Neff has become a market leader in high precision rolled ball screws, providing solutions for customers all across the globe.

The current lead screw offering combines the quality, strength and expertise of the distinct products and professionals at these four companies under the **Thomson** name. The products set the solid foundation for the broad range of standard and custom lead screws available today. If past history and experience are an indication of what the future holds, Thomson is significantly poised to remain a prominent leader and pioneer in the lead screw industry.

**Thomson Industries
Warner Linear
Neff Automation
Ball Screws and Actuators (BSA)**

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