

Introducing Thomson high-load ball screws: Handle up to 125% higher loads in a smaller envelope

Thomson high-load ball screws handle up to 125% higher load capacity or up to 10X the service life compared to standard ball screws of the same size.

They are designed to accommodate a wide range of applications and take up to 1,440 kN of dynamic load.

Best of all, Thomson high-load ball screws are German-engineered precision components, providing high quality and stiffness.



Features & benefits include:

- Standard sizes up to 15 m in length and up to 160 mm in diameter.
- Max. dynamic load of up to 1,440 kN.
- Lead accuracy of up to $\pm 6 \mu\text{m}/300 \text{ mm}$.
- Compact, simple design allows for downsizing, less weight.
- Available with single or double nuts.
- Multiple preloading options.
- Smooth, quiet motion.
- More economic solution vs. roller screws.

Ideal applications include:

- Injection molding, pressing and metal fabrication machines.
- Large fabrication machines, e.g. mills, water jets, plasma cutters and automatic welders.
- Metal pressing and forming, e.g. rivet presses, servo presses, tube bending, metal sheet bending, test rigs, straightening machines.
- High-load actuators, hydraulic to electromechanical conversion.

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brochure >**

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