

Rigid Couplings Consistently Deliver Precise Alignment Screw Conveyors Require

In grain harvesting and production systems, screw conveyors require precise shaft alignment to ensure optimal torque transmission, maximized system efficiency, and maintain consistent material flow throughout the process.

Screw conveyors are widely used in the grain industry for handling, transporting, and processing a large volume of material efficiently through the production process. Widely utilized in grain processing for their flexibility, screw conveyors feature a fully enclosed design that reduces dust emissions and cross-contamination, while enabling consistent, metered transport of grain from initial intake through to final packaging. As these systems depend on continuous shaft rotation, shaft connections are critical for performance and reliability.

Climax Rigid Couplings are the true workhorse of the coupling family. Rigid couplings provide a precise shaft alignment and torque transmission in applications where no relative movement between shafts is required. A simple, solid construction makes them ideal for high-torque, low-speed systems. Delivering a maintenance-free, robust solution for connecting drive shafts to screw shafts, rigid couplings are ideal for demanding grain-handling environments.

Climax's state of the art facility manufactures couplings with imperial bore sizes up to 4 7/16 inches and metric sizes up to 75mm, with the flexibility to accommodate larger sizes based on specific applications. Climax offers a comprehensive line of rigid couplings, available in set screw, one-piece, and two-piece styles, with or without keyways. Our balanced couplings are engineered to reduce vibration and minimize wear and tear on costly components.

Climax manufactures tailored products to fit your precise application needs utilizing steel, stainless steel, and aluminum, complete with a range of coatings to enhance corrosion resistance. Our in-house team of engineers will help customize a solution for any production process. Contact us today to discover how Climax can provide you with a tailored **Engineered Shaft Locking Solution™**.



Rigid Couplings from Stock

- Two-piece, one-piece, and set screw couplings
- Manufactured from steel, stainless steel, and aluminum
- Steel finished with black oxide
- Available with or without keyway

