

Small Components from Climax Provide Big Impact in Automation Systems

In automation applications, shaft collars and rigid couplings are essential in maintaining alignment, ensuring torque transmission and delivering consistent results.



With today's fast-paced manufacturing environment, factories and machines rely on automated processes to get things done. From initial processing to the final package, these systems are required to be efficient, consistent and reliable. Climax offers rigid couplings and shaft collars in a wide range of sizes and styles, key to keeping automation systems running smoothly and dependably.

Rigid couplings are a mechanical component with a single purpose: to connect two straight shafts together in fixed alignment. As the workhorse of the coupling family, rigid couplings provide high torque transmission, torsional rigidity, and ensure zero backlash. These characteristics are imperative for automation systems where precision and repeatability are vital.

Shaft collars can be found in virtually every automated system in a wide range of industries including manufacturing, material handling, robotics, and medical equipment. Although they are a relatively simple component, shaft collars are indispensable in many applications. Performing a very simple task, shaft collars position components, provide consistent spacing, or are used as mechanical stops.

As this industry continues to evolve, the demand for components that deliver precision, durability, and efficiency grows stronger. At the heart of every high-performing system are parts engineered to meet these expectations.

Whether you're optimizing production lines, enhancing robotics, or upgrading industrial machinery, Climax offers an extensive inventory of shaft collars, rigid couplings, and keyless locking devices with the capability to engineer custom designs to fit any application challenge. Contact us today to discover how Climax can provide you with a tailored Engineered Shaft Locking Solution™.

Shaft Collars from Stock:

- Two-piece, one-piece, & set screw collars
- Manufactured from steel, stainless steel, aluminum, & acetal
- Finishes include black oxide, zinc, yellow zinc, & unplated
- With or without keyway

Rigid Couplings from Stock:

- Two-piece, one-piece, & set screw couplings
- Manufactured from steel, stainless steel, & aluminum
- Finishes include black oxide
- With or without keyway

