

## Custom Designed Two-Piece Couplings Offer a Superior Solution for Line Shafts

*Custom designed Climax Two-Piece Clamping Coupling delivers an outstanding solution for addressing line shaft failures, reducing downtime and maximizing productivity.*



### Features & Benefits:

- Manufactured from mild steel with a black oxide finish
- Greater torque capacity than set screw or one-piece couplings
- Clamping couplings will not mar the shaft
- Two-piece design allows for replacement without major disassembly of shaft components

Line shafts play a crucial role in the power transmission industry, primarily used to distribute mechanical power across multiple components in industrial settings. They are used in virtually every industry including timber, forestry, bottling, food processing, glass production, and, milling.

Recently, a customer encountered a recurring issue with a one-piece tapered bushing used to mount several lever arms onto a line shaft. The bushing frequently failed, requiring the tedious task of removing all components mounted between the bushing and the egress point. This process was not only time-consuming and labor-intensive but also resulted in significant downtime, leading to lost profits and decreased productivity.

Climax's knowledgeable engineering team designed a two-piece clamping coupling with a welded lever arm to solve the customer's problem. This custom designed two-piece coupling, provided sufficient torque and axial load capacity to address the recurring failure issue. Furthermore, the two-piece clamping coupling could be installed and removed at any point on the line shaft, eliminating the need to dismantled adjacent components. This superior solution significantly reduced downtime and enhanced profitability.

Climax manufactures an extensive line of shaft collars and rigid couplings, and carries an extensive inventory of keyless locking devices. Our in-house team of engineers can design custom solutions to fit any application challenge. Contact us to discover how Climax can provide you with a tailored **Engineered Shaft Locking Solution™**.

