CLIMAX
METAL PRODUCTS COMPANY

1-800-542-6552
orders@climaxmetal.com
www.climaxmetal.com

***Engineered Shaft Locking Solutions™***

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

*Climax two-piece clamping couplings provide a superior solution for line shaft failed components, saving countless hours of downtime and increasing 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 ot shaft components

Line shafts are an essential element in the power transmission industry and are used primarily to synchronize multiple components on equipment. Line shafts are common in many industries, including Timber, Forestry, Food Processing, Glass Production, Bottling, and Mills.

Recently, a customer was faced with a challenge where a one-piece tapered bushing used to mount several lever arms onto a line shaft continued to fail. As a result of using a one-piece tapered bushing, maintenance was tasked with the tedious process of removing all other components mounted between the bushing and the egress point. This removal process was often labor-intensive and required extended downtime, resulting in a loss of profits and productivity.

Climax's knowledgeable engineering team designed a two-piece clamping coupling with a welded lever arm as a solution to the customer's problem. The two-piece clamping coupling was designed with sufficient torque and axial load capacity to address the failure issue faced by the customer. Additionally, the use of a two-piece clamping coupling design meant the coupling could be installed and removed anywhere on the line shaft, eliminating the need to remove adjacent mounted components. This superior solution provided the customer with a shorter downtime and increased plant profitability.

Climax manufactures an extensive line of shaft collars and rigid couplings, and carries an extensive inventory of keyless locking devices, with the capability to engineer custom designs to fit any application challenge. Contact us to see how we can provide a quality engineered shaft locking solution.

IBT INDUSTRIAL SOLUTIONS™

**IBT Inc. - Industrial Solutions**
9320 West 55th Street, Merriam, KS 66203
Ph: (913) 362-5102 **www.ibtinc.com**