CLIMAX
METAL PRODUCTS COMPANY

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

***Engineered Shaft Locking Solutions™***

# Productivity Solutions for Food Processing

*Climax C600-series Keyless Rigid Couplings provide a superior cost-effective method to mount motors and gearboxes over traditional approaches in food processing applications.*

Traditional methods to mount hydraulic motors and/or gearboxes require expensive motor mounts and rely on flexible couplings. Failure to properly align shafts in these applications can lead to premture coupling failure, and consequent downtime. Additionally, misalignment can lead to hydraulic motor leaks and bearing failures due to inordinate facial loads on the motor bearings.

Even when these components are properly aligned these connections are subjected to outside elements that can affect alignment. Climax keyless rigid couplings are easy to install with simple hand tools, eliminating the need for brackets and expensive structure to support the motor, as well as installation misalignment. They contain no flexible elements **saving maintenance costs and subsequent downtime**. Torque mounting ensures that shafts are in perfect alignment, and C600s provide high torque and bending capacity **eliminating bearing and motor failure**. Shaft mounting the drive eliminates the issues that lead to premature motor failure.

Climax Metal Products carries a robust inventory of both straight and step-bore components and capabilities to engineer custom designs including stainless steel and various plating options for wash-down applications.

## Target Markets / Applications

- Beef and Pork Processing Plants
  C600 Couplings replace flexible couplings on power conveyors
- Food Processing Plants
  C600 Couplings replace flexible coupling in specific applications in batter and breading equipment

IBT INDUSTRIAL SOLUTIONS™

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

# RBC BEARINGS — Innovation. Commitment. Quality.

RBC has been producing bearings in the USA since 1919. In addition to unique custom bearings, RBC offers a full line of standard industrial and aerospace bearings, including:

## Tapered Roller Thrust Bearings

Case-hardened tapered roller thrust bearings for oilfield top drives and swivels. Available in full complement, maximum capacity versions.

## Cylindrical Roller Bearings

Cylindrical roller bearings designed for mud pump pinion and eccentric positions. Fully interchangeable to industry standards.

## Spherical Plain Bearings

Radial, angular contact, extended inner ring, high misalignment. **QuadLube®, ImpactTuff®, SpreadLock® Seal, CrossLube®, DuraLube™,** and self-lubricating bearings. Available in inch and metric sizes.

## Keyless Locking Devices

Mechanical bushings used to connect power transmission components onto rotating shafts. Without the use of keyways, KLDs eliminate the problems associated with backlash including fretting, corroding, and wallowing.

## Self-Lubricating Bearings

Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. **Fiberglide®** self-lubricating bearings.

## Ball Bearings

Precision ground, semiground, unground. High loads, long life, smooth operation. **Nice®** branded products are offered in caged and full complement configurations.

## Thin Section Ball Bearings

Standard cross sections to one inch. Bore sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections. Super duplex configurations.

## Needle Roller Bearings

**Pitchlign®** caged heavy duty needle roller bearings ideal for cross head bearings applications. These double row bearings are available in single row and **Tandem Roller®** versions.

## Tapered Roller Bearings

Single, double, & multi row versions available for main bearing positions in mud pumps, gear boxes, etc. Bearings are constructed of case hardened steel washers and rollers with bore size of 11" or greater.

## Lubron® Bearings

**Lubron®** self-lubricating bearings designed and custom manufactured in most any size, material and bearing configuration. Applications include hydro power and water control, nuclear power generation, infrastructure, architecture, offshore marine, industrial, machinery and heavy equipment.

## Rigid Couplings

Shaft couplings serve as components to time, join, or align shafts at lower speeds and torque, especially when zero backlash is desired. Made from mild steel with a black oxide finish, type 303 stainless steel, or aluminum. Available in inch and metric sizes.

## Cam Followers

Standard stud, heavy stud, yoke type, caged roller followers. Patented **RBC Roller®** cylindrical roller cam followers, **HexLube®** universal cam followers, airframe track rollers.

## Commercial Rod Ends

Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the **Heim®, Unibal®,** and **Spherco®** names. Available in inch and metric sizes.

## TP Series Bearings

RBC's TP Series cylindrical roller thrust bearings ideal for crane hooks, oil well swivels, winch systems, and gear boxes. Fully interchangeable with industry standard offering.

## Shaft Collars

Used to position or locate a component on a shaft. Made from mild steel, type 303 or 316 stainless steel, aluminum, or acetal. Available in inch and metric sizes.

## Specials

RBC manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, transportation, and other industries.

## PIC Design

Complete line of precision gears, precision hardware, timing belts, pulleys, and linear motion systems. Industries served include industrial, aerospace, defense, medical, robotics and automation, material handling, and assembly. Custom design support for unique applications.

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